

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

001

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-47441		6. SURFACE: FEE
7. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
8. UNIT or CA AGREEMENT NAME:		
9. WELL NAME and NUMBER: State 21-19 #32-16D		
10. FIELD AND POOL, OR WILDCAT: Undesignated <i>Widest</i>		
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW SE SE, Sec. 32, T21S-R19E		
12. COUNTY: Grand		13. STATE: UTAH
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 2 Mile West of Crescent Junction, Utah		
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 649'	16. NUMBER OF ACRES IN LEASE: 480	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH: 4,900'	20. BOND DESCRIPTION: Bond Applied For.
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4,818' GR	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION: 30 days

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4"	9 5/8" J-55 36#	400'	185 Sx Class "G", 1.18 CFS 15.2 PPG
8 3/4"	7" J-55 23#	4,900'	Lead 125 Sx Blend, 3.82 CFS, 11.0 ppg, Tail 375 Sx 50/50poz 1.21 CFS, 14.4 ppg

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|---|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input checked="" type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Julie L. Acevedo TITLE Permit Agent
SIGNATURE *Julie L. Acevedo* DATE 7-8-03

(This space for State use only)

API NUMBER ASSIGNED: 43-019-31399

**Approved by the
Utah Division of
Oil, Gas and Mining**
Date: 06-28-03
By: *[Signature]*

RECEIVED

JUL 09 2003

DIV. OF OIL, GAS & MINING

Agreed to and accepted the day and year first above written.

SOLARIS EXPLORATION CORP.

By:

Lynn Faust
Lynn Faust, Vice-President

75% SURFACE OWNER:

By:

Mae Dean Wheeler, Trustee
Mae Dean Wheeler, Trustee of the
F. W. Bert Wheeler Trust (Tax ID No. 76-6118953)
And the Mae Dean Wheeler Trust (Tax ID No. 76-6118954)

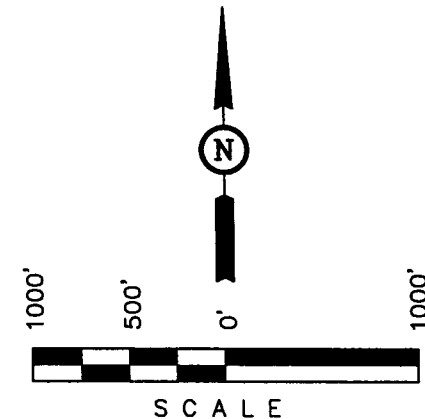
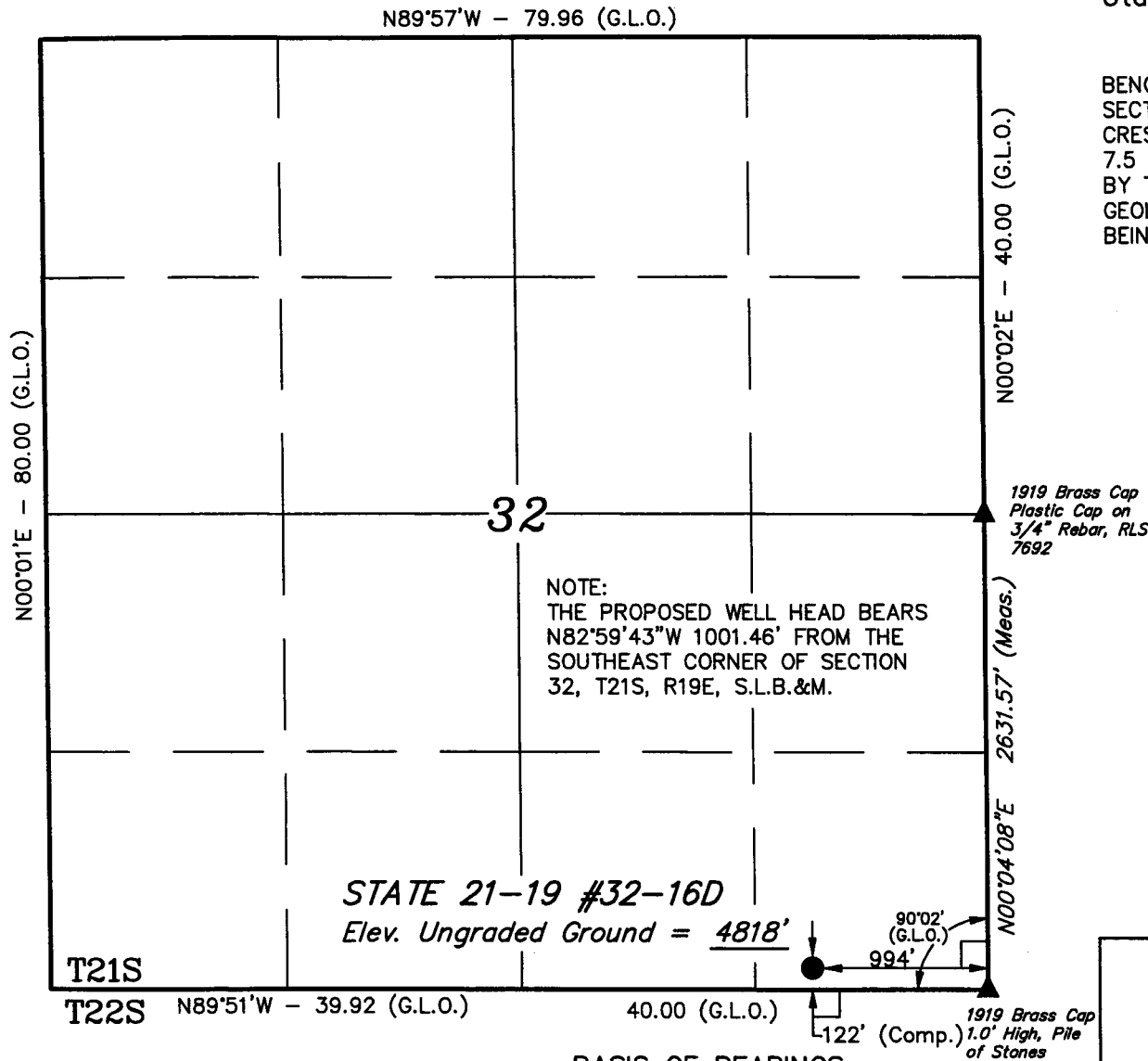
T21S, R19E, S.L.B.&M.

SOLARIS EXPLORATION, INC.

Well location, STATE 21-19 #32-16D, located as shown in the SE 1/4 SE 1/4 of Section 32, T21S, R19E, S.L.B.&M. Grand County, Utah.

BASIS OF ELEVATION

BENCH MARK BRENDEN 61 LOCATED IN THE NW 1/4 OF SECTION 34, T21S, R19E, S.L.B.&M. TAKEN FROM THE CRESCENT JUNCTION QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS STAMPED AS BEING 4898 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Key
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.
 (AUTONOMOUS NAD 83)
 LATITUDE = 38°56'08.47" (38.935686)
 LONGITUDE = 109°50'15.04" (109.837511)

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-19-03	DATE DRAWN: 05-22-03
PARTY S.H. D.B. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE SOLARIS EXPLORATION, INC.	

FIGURE #1

STATE 21-19 #32-16D

C-3.9' 122' FSL 994' FEL Proposed Access Road

Sta. 3+75

NOTE:

*Flare Pit is to be located
a min. of 100' from the
Well Head.*

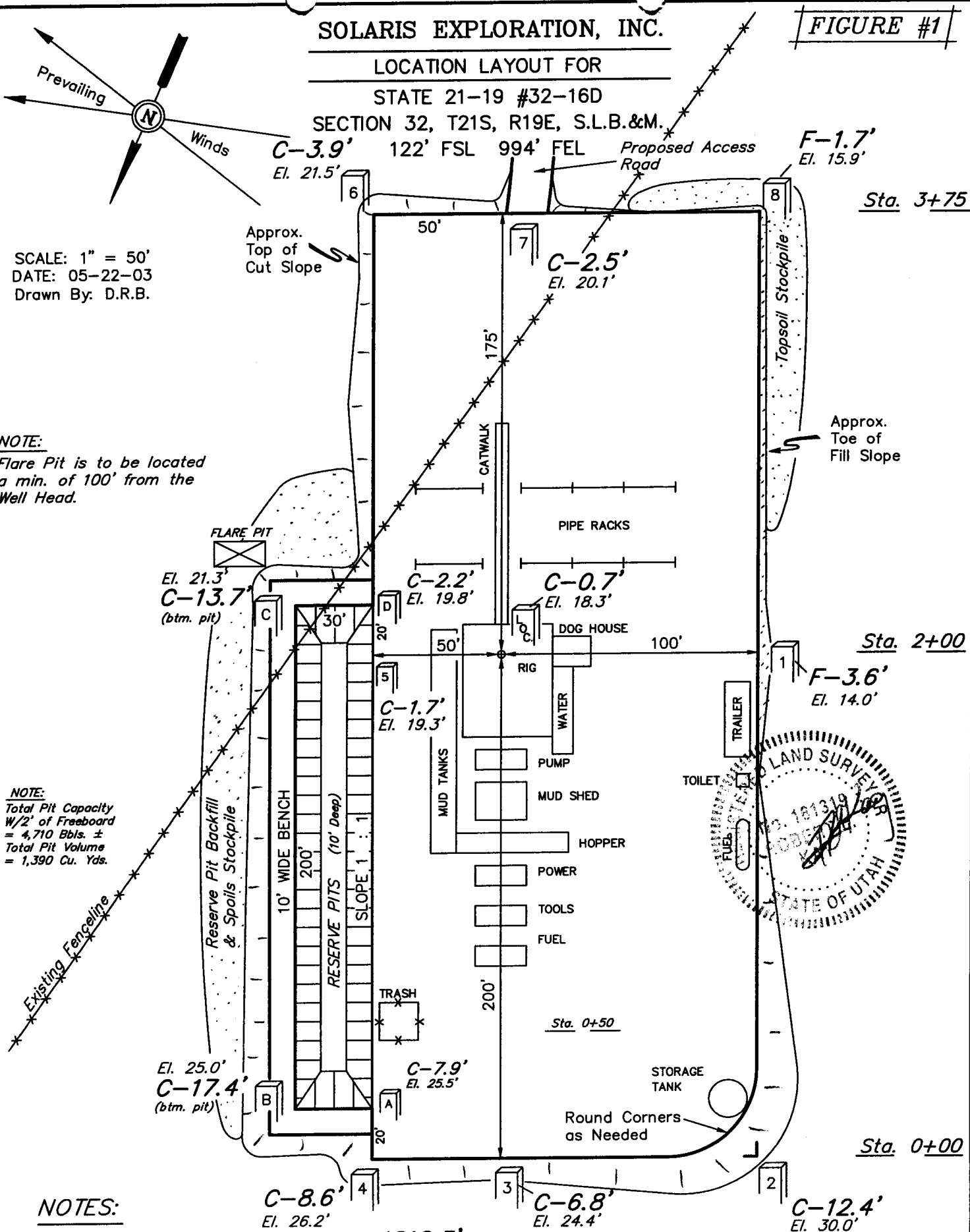
NOTE:
Total Pit Capacity
W/2' of Freeboard
= 4,710 Bbls. ±
Total Pit Volume
= 1,390 Cu. Yds.

NOTES:

Elev. Ungraded Ground At Loc. Stake = **4818.3'**

FINISHED GRADE ELEV. AT LOC. STAKE = 4817.6'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



SOLARIS EXPLORATION, INC.

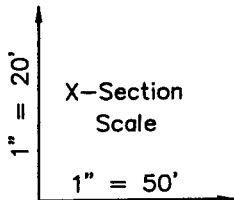
FIGURE #2

TYPICAL CROSS SECTIONS FOR

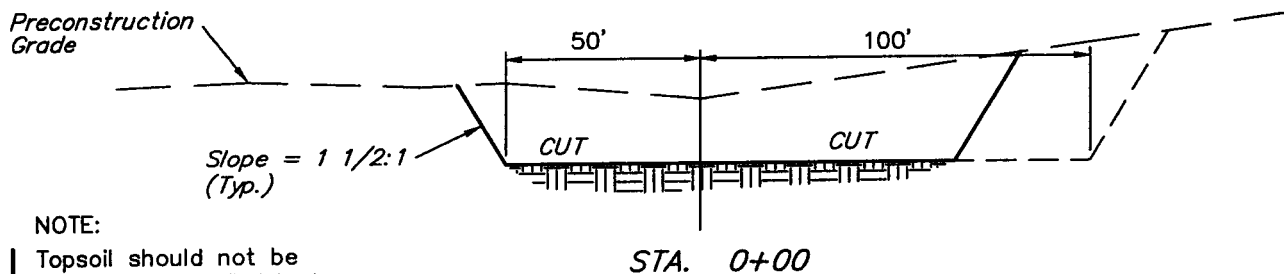
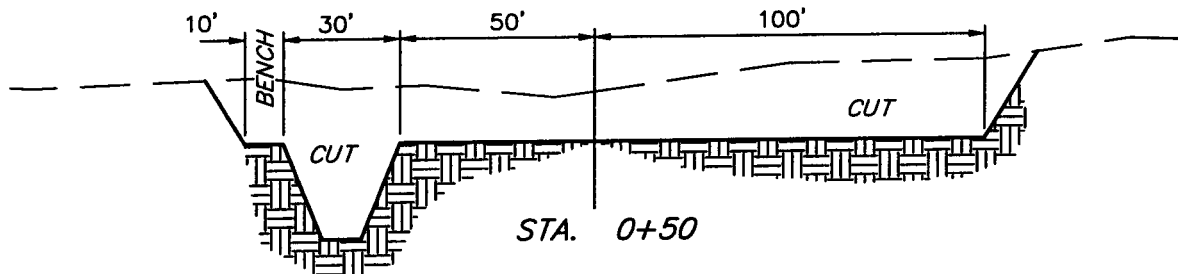
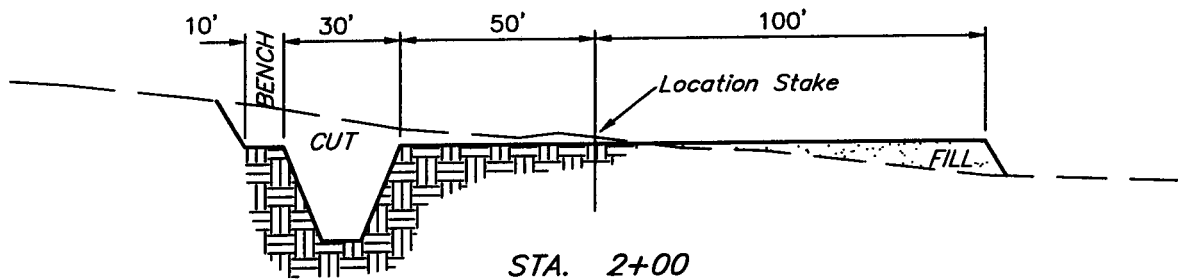
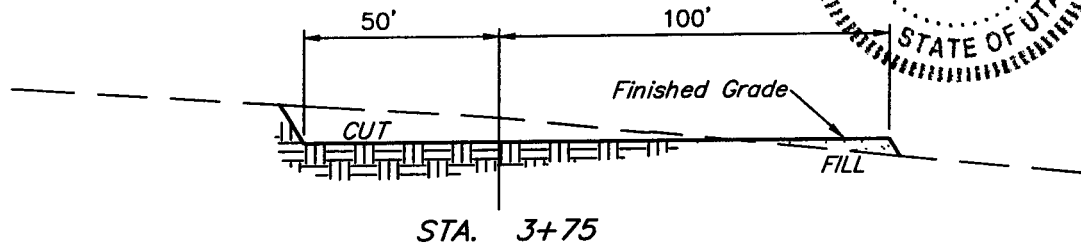
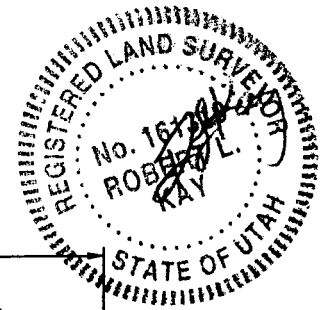
STATE 21-19 #32-16D

SECTION 32, T21S, R19E, S.L.B.&M.

122' FSL 994' FEL



DATE: 05-22-03
Drawn By: D.R.B.



NOTE:

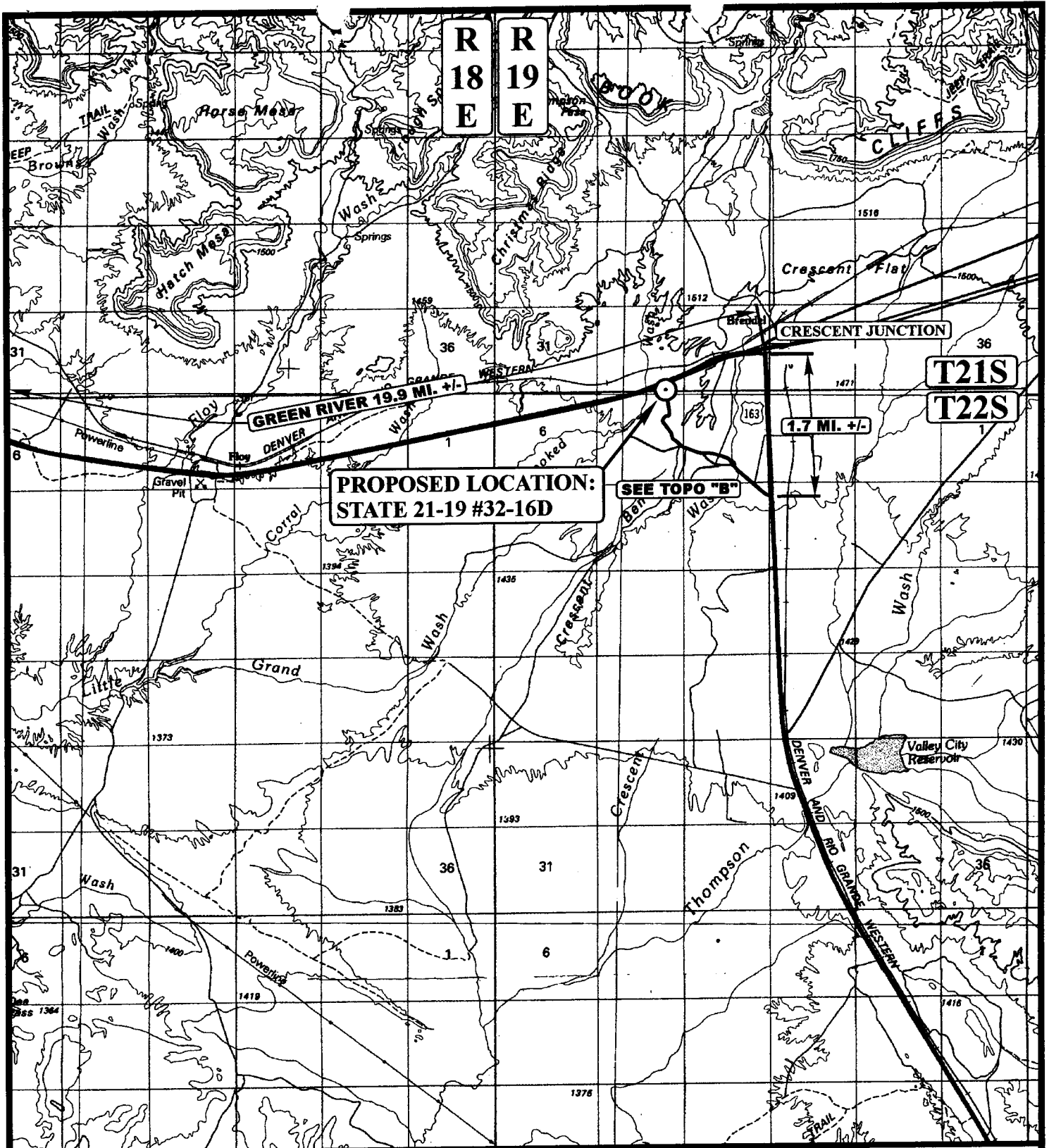
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,200 Cu. Yds.
Remaining Location	= 8,930 Cu. Yds.
TOTAL CUT	= 10,130 CU.YDS.
FILL	= 820 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 9,270 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,890 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 7,380 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



LEGEND:

○ PROPOSED LOCATION

SOLARIS EXPLORATION, INC.

STATE 21-19 #32-16D
SECTION 32, T21S, R19E, S.L.B.&M.
122' FSL 994' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

05 20 03
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 00-00-00



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

003

APD RECEIVED: 07/09/2003

API NO. ASSIGNED: 43-019-31399

WELL NAME: STATE 21-19 #32-16D

OPERATOR: SOLARIS EXPLORATION (N2230)

CONTACT: JULIE ACEVEDO

PHONE NUMBER: 281-931-8933

PROPOSED LOCATION:

SESE 32 210S 190E

SURFACE: 0122 FSL 0994 FEL

SRSE BOTTOM: 0660 FSL 0660 FEL

GRAND

WILDCAT (1)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-47441 OK

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: WINGT

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKO	8/28/03
Geology		
Surface		

LATITUDE: 39.93574

LONGITUDE: 109.83670

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 20000 PER LG OK)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit

(No. 01-1130)

☒ RDCC Review (Y/N)

(Date: 07/25/2003)

☒ Fee Surf Agreement Y/N

LOCATION AND SITING:

___ R649-2-3.

Unit _____

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

___ Drilling Unit

Board Cause No: _____

Eff Date: _____

Siting: _____

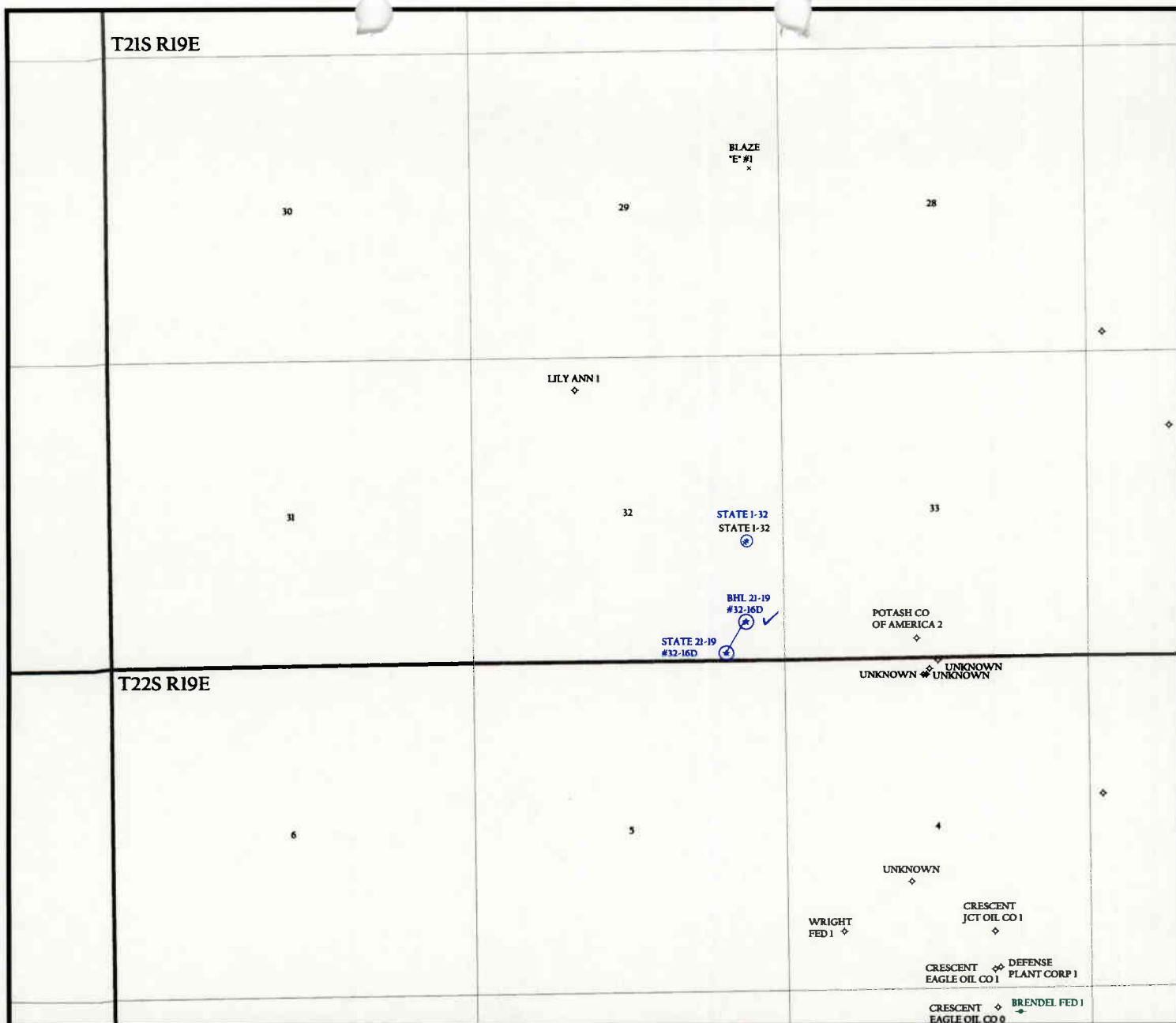
☒ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (Recd 8/21/03)

STIPULATIONS:

- 1 - Spacing Strip
- 2 - If drilling is not completed by 12/31/03, Solars will need to get a new water permit
- 3 - Surface casing Cont Strip
- 4 - Production casing Cont Strip (as proposed to ± 400')
- 5 - STATEMENT OF BASIS



OPERATOR: SOLARIS EXPLORATION (N2230)

SEC. 32 T.21S, R.19E

FIELD: WILDCAT (002)

COUNTY: GRAND

SPACING: R649-3-11 / DIRECTIONAL DRILLING

Wells

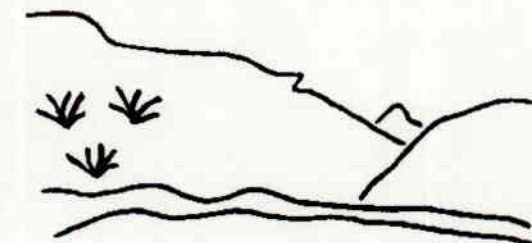
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 10-JULY-2003

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: ML-47441	6. SURFACE:
IA. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <u>Directional</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: Solaris Exploration, Inc.		9. WELL NAME and NUMBER: State 21-19 #32-16D	
3. ADDRESS OF OPERATOR: 16800 Imperial Valley Dr., Ste 380 CITY Houston TX 77060		10. FIELD AND POOL, OR WILDCAT: Undesignated Wildcat	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 122 FSL, 994 FEL, SESE AT PROPOSED PRODUCING ZONE: BHL 600 FSL, 660 FEL, C SE SE, Sec. 32, T21S-R19E		11. QTRQTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW SE SE, Sec. 32, T21S-R19E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 2 Mile West of Crescent Junction, Utah		12. COUNTY: Grand	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 649'	16. NUMBER OF ACRES IN LEASE: 480	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
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24. PROPOSED CASING AND CEMENTING PROGRAM			
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25. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN <input checked="" type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) <u>Julie L. Acevedo</u>	TITLE <u>Permit Agent</u>
SIGNATURE <u><i>Julie L. Acevedo</i></u>	DATE <u>7-8-03</u>

(This space for State use only)

API NUMBER ASSIGNED: 43-019-31399

APPROVAL:

RECEIVED
JUL 09 2003

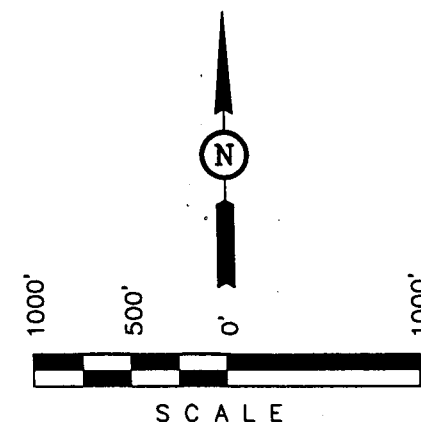
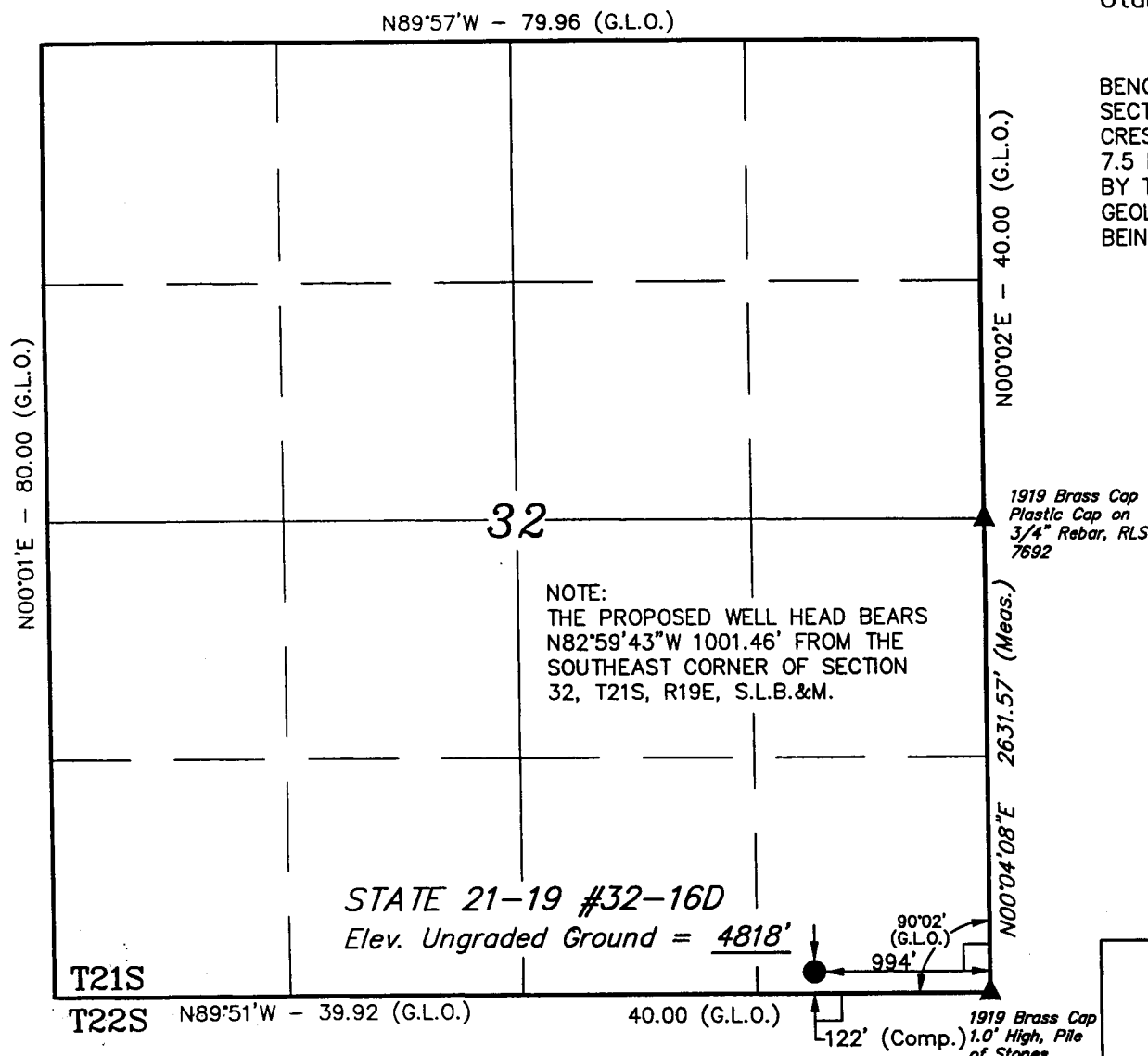
T21S, R19E, S.L.B.&M.

SOLARIS EXPLORATION, INC.

Well location, STATE 21-19 #32-16D, located as shown in the SE 1/4 SE 1/4 of Section 32, T21S, R19E, S.L.B.&M. Grand County, Utah.

BASIS OF ELEVATION

BENCH MARK BRENDL 61 LOCATED IN THE NW 1/4 OF SECTION 34, T21S, R19E, S.L.B.&M. TAKEN FROM THE CRESCENT JUNCTION QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS STAMPED AS BEING 4898 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert J. Key
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

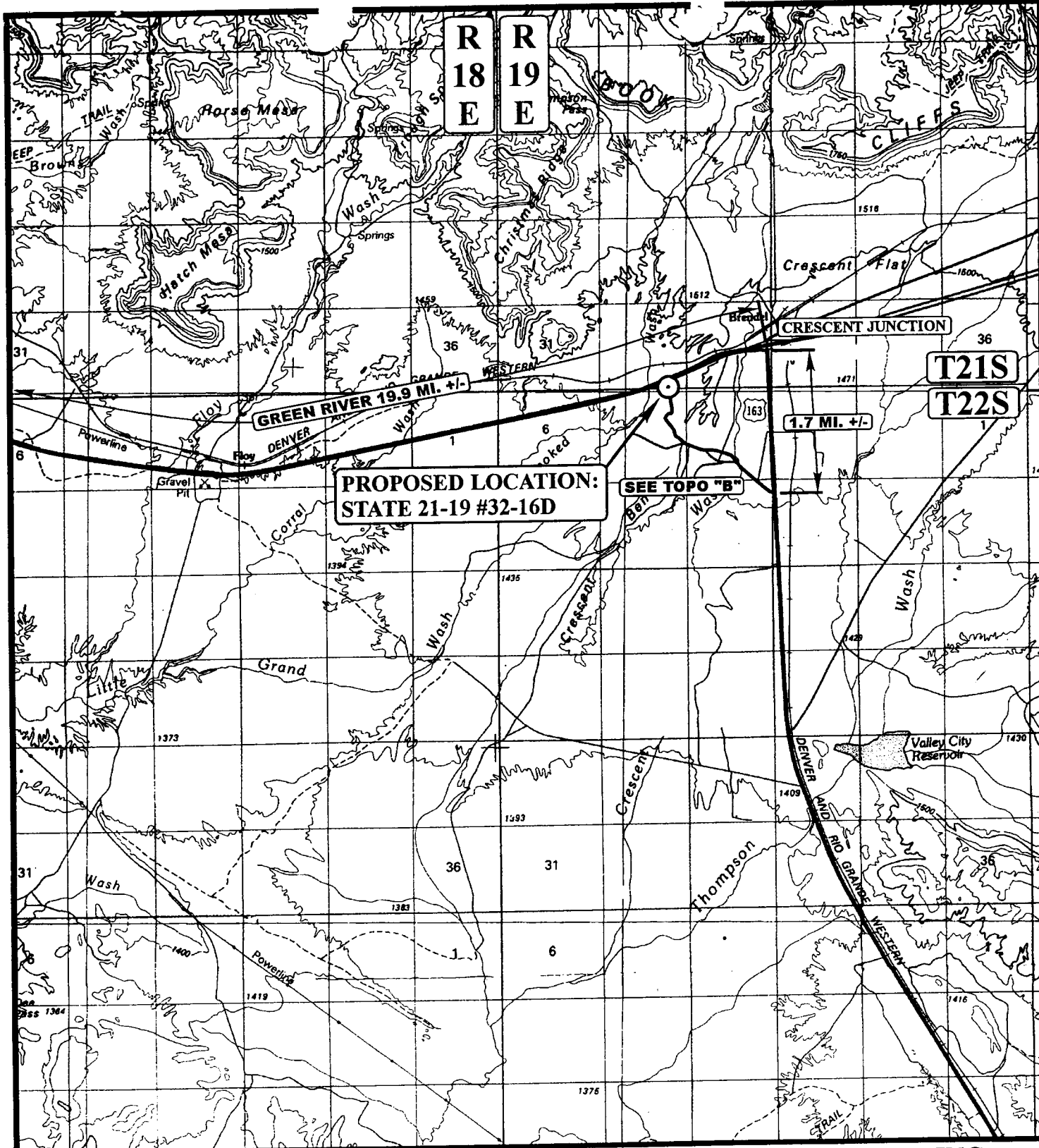
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(AUTONOMOUS NAD 83)
LATITUDE = 38°56'08.47" (38.935686)
LONGITUDE = 109°50'15.04" (109.837511)

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-19-03	DATE DRAWN: 05-22-03
PARTY S.H. D.B. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE SOLARIS EXPLORATION, INC.	



LEGEND:

○ PROPOSED LOCATION



SOLARIS EXPLORATION, INC.

STATE 21-19 #32-16D
SECTION 32, T21S, R19E, S.L.B.&M.
122' FSL 994' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP
05 MONTH 20 DAY 03 YEAR
SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 00-00-00



From: Steven Parkin
To: Diana Mason
Date: 7/14/03 2:49PM
Subject: Drilling at ML-47441

Diana,

REGARDING RDCC project number 3050, the proposed well drilling project, ML-47441, Grand County, may require a permit, known as an Approval Order, from the Utah Division of Air Quality if any compressor stations are operating at the site. A permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, SLC, UT, 84116 for review according to the Utah Air Conservation Rule R307-400, Permits, Notice of Intent and Approval Order. A copy of the rules are found at www.rules.utah.gov/publicat/code/r307/r307.htm.

Regards,

Steven Parkin
Division Of Air Quality

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

DREW SITTERUD
CHAIRMAN

WILLIAM D. HOWELL
EXECUTIVE DIRECTOR



375 SOUTH CARBON AVE.
P.O. DRAWER 1106
PRICE, UTAH 84501
(435) 637-5444
FAX (435) 637-5448

AREA WIDE CLEARINGHOUSE REVIEW

Federal Action _____ State Action _____ Approved () Yes () No

Other (indicate) _____

Applicant Address:

Oil, Gas and Mining

1594 West North Temple #1210

Salt Lake City, UT 84114-5801

Phone Number: 801-538-5312

Title/Project Description Application for Permit to Drill - Solaris Exploration, Inc.

proposes to drill the State 21-19 well (wildcat) on State lease ML-47441, Grand County, UT.

[] No Comment

[] See comment below

Comments: Approved on July 17, 2003 at SEUAOG Executive Board Meeting.

RECEIVED

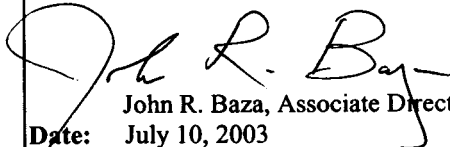
JUL 21 2003

DIV. OF OIL, GAS & MINING

Lorraine Benyhill
SEUALG

7/17/03
DATE

STATE ACTIONS
Governor's Office of Planning and Budget
Resource Development Coordinating Committee
P.O. Box 145610
1594 W. North Temple, Suite 3710
SLC, UT 84114-5610
538-5535

1. Administering State Agency Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	2. Approximate date project will start: <p style="text-align: center;">Upon Approval</p>
3. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1) <p style="text-align: center;">Southeastern Utah Association of Governments</p>	
4. Type of action: / / Lease /X/ Permit / / License / / Land Acquisition / / Land Sale / / Land Exchange / / Other _____	
5. Title of proposed action: <p style="text-align: center;">Application for Permit to Drill</p>	
6. Description: <p>Solaris Exploration, Inc. proposes to drill the State 21-19 well (wildcat) on State lease ML-47441, Grand County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.</p>	
7. Land affected (site location map required) (indicate county) – include UTM coordinates where possible <p style="text-align: center;">122' FSL, 994' FEL, SE/4, SE/4, Section 32, Township 21 South, Range 19 East, Grand County, Utah</p>	
8. Jordan River Natural Areas Forum review – If the proposed action affects lands within the Jordan River Natural Areas Corridor. N/A	
9. Has the local government(s) been contacted? No If yes, a. How was contact made? b. Who was contacted? c. What was the response? d. If no response, how is the local government(s) likely to be impacted?	
10. Possible significant impacts likely to occur: <p style="text-align: center;">Degree of impact is based on the discovery of oil or gas in commercial quantities.</p>	
11. Name and phone of district representative from your agency near project site, if applicable: <p style="text-align: center;">N/A</p>	
12. For further information, contact: <p style="text-align: center;">Diana Mason Phone: (801) 538-5312</p>	13. Signature and title of authorized officer <div style="text-align: center;">  John R. Baza, Associate Director Date: July 10, 2003 </div>

Solaris Exploration, Inc.
16800 Imperial Valley Drive, Suite 380
Houston, Texas 77060

July 22, 2003

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: Directional Drilling
State 21-19 #32-16D
SE/SE Sec. 32: T21S-R19E
Grand County, Utah

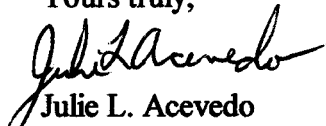
Solaris Exploration, Inc. has been designated as the operator of lease ML47441 and UTU077524 by the leaseholders. Solaris Exploration request approval from the division to directionally drill the subject well without notice or a hearing because Solaris Exploration has an operating agreement with the lease owners of all the oil and gas within a radius of 460 feet from all points along the proposed well bore located in Section 32, T21S-R19E, Grand County, Utah. The intentional deviation of the subject well is due to topographical constraints in this area; the surface location will be located in Section 32, SESE, 122 FSL and 994 FEL, T21S-R19E and the target bottom hole location will be located in Section 32, SESE, 660 FSL and 660 FEL, T21S-R19E, Grand County, Utah.

Per R649-3-11 Directional Drilling, attached is:

1. List of all working interest owners within a radius of 460 feet from all points along the intended well bore.
2. Location plat showing the distance from the surface location to section and lease lines.
3. Designation of Operator and operating agreement.

Please contact Julie L. Acevedo at 303-287-5309 if have any questions or concerns.

Yours truly,


Julie L. Acevedo
Permit Agent

Attachments

RECEIVED

JUL 25 2003

DIV. OF OIL, GAS & MINING

Working Interest Owners:

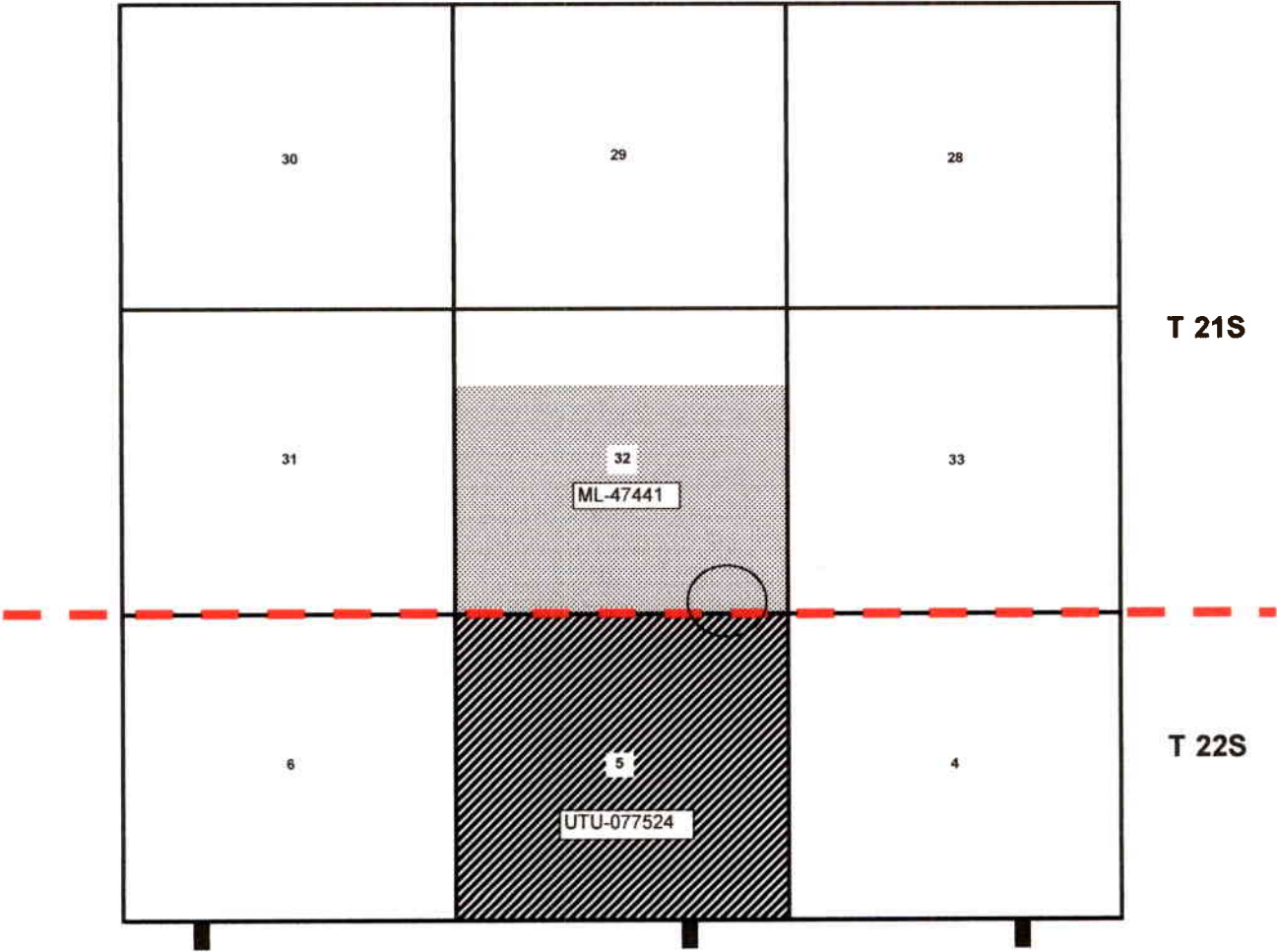
Rocksource Energy Corporation
P. O Box 691847
Houston, TX 77269-1847

Tidewater Oil & Gas Company LLC
1645 Court Place, Suite 229
Denver, CO 80202

Solaris Exploration, Inc.
16800 Imperial Valley Drive, Suite 380
Houston, Texas 77060

Grand County, Utah

R 19E



STATE 21-19 #32-16D

DESIGNATION OF OPERATOR

The undersigned is, on the records of the School and Institutional Trust Lands Administration, holder of lease, ML 47441:

and hereby designates

NAME: **SOLARIS EXPLORATION, INC.**
16800 Imperial Valley, Suite 380
ADDRESS: Houston, Texas 77060

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Director of the Administration or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations Governing the Issuance of Mineral Leases with respect to (describe acreage to which this designation is applicable):

Township 21 South Range 13 East
Section 32: SE1/4
Garfield County, Utah

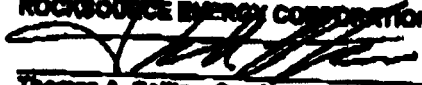
Operator agrees to comply with all lease provisions, statutes, rules, and regulations, whether federal, state, or local, in its operations on the subject lease.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

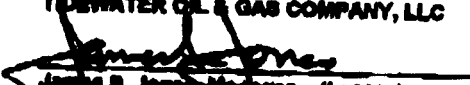
In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Director, Trust Lands Administration or his representative.

The lessee agrees promptly to notify the Trust Lands Administration of any change in the designated operator.

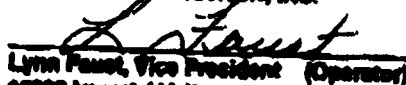
ROCKSOURCE ENERGY CORPORATION


Thomas A. Collins, President (Lessee)
Box 881847, Houston, TX 77288-1847
Aug 26, 2002 Date

TIDEWATER OIL & GAS COMPANY, LLC


James B. Jones, Manager (Lessee)
11014 Elk Head Range Road, Littleton, CO 80127
Aug 13, 2002 Date

SOLARIS EXPLORATION, INC.


Lynn Faust, Vice President (Operator)
16800 Imperial Valley, Suite 380
Houston, TX 77060

Aug 26, 2002 Date

EXHIBIT "A"

Attached to and made a part of that certain Operating Agreement attached as Exhibit "D" to that certain Tidewater Participation Agreement (Cactus Rose Area) effective August 1, 2002.

(1) Description of the Oil and Gas Leases and Lands Subject to this Operating Agreement. There are no restrictions as to depths, formations or substances.

<u>Effective Date</u>	<u>Lessor</u>	<u>Net Acres</u>	<u>Description</u>
12/01/00	Utah ML 47441	480.00	T21S-R19E SLM Sec. 32: S/2N/2; S12
10/01/98	USA-UTU-77518	1680.00	<u>T21S-R18E SLM</u> Sec. 11: S/2N/2; S/2 Sec. 13: NE/4; S/2NW/4; S/2 Sec. 14: All
10/01/98	USA-UTU-77522	1,440.27	<u>T21S-R19E SLM</u> Sec. 27: N/2 Sec. 28: N/2 Sec. 30: Lots 1-4; NE/4, E/2NW/4 Sec. 31: Lots 5-8; E/2SW/4; SE/4
10/01/01	USA-UTA-79788	652.00	<u>T21S-R19E SLM</u> Sec. 27 S/2 Excluding 15 acres in the Railroad right-of-way U62502 Sec. 28 S/2
10/01/98	USA-UTU-77523	320.00	<u>T21S-R19E SLM</u> Sec. 29: N/2

JFC

Exhibit "A" to Operating Agreement
Solaris Exploration Inc- Cactus Rose Area

Page 2 of 3

10/01/98	USA-UTU-77524	1,481.40	<u>T22S-R19E SLM</u> Sec. 5: All Sec. 6: Lots 1-8; Lots 10-14; S/2NE/4; SE/4
10/01/97	USA-UTU-76597	411.81	<u>T21S-R18E SLM</u> Sec. 1: Lots 1,2; SE/4 Sec. 12: NE/4; E/2SE/4
04/01/98	USA-UTU-77083	40.00	<u>T22S-R 19E SLM</u> Sec. 6: Lot 9
05/01/98	USA-UTU-77167	40.00	<u>T22S-R19E SLM</u> Sec. 4: SE/4NE/4
09/17/97	UTAH ML 47721	342.92	<u>T21S-R1 SE SLM</u> Sec. 1: Lots 1,2,3,4; S/2(All)
07/01/97	USA-UTU-76491	1,520.80	<u>T21S-R19E SLM</u> Sec. 17: S/2SE/4 Sec. 18: Lots 1-8; NE1/4; E/2W/2; W/2SE/4 Sec. 19: All
04/16/97	UTAH ML 47576	1,600.00	<u>T21S-R19E SLM</u> Sec. 33: W/2; W/2E/2; SE/4SE/4 Sec. 34: E/2; E/2SW/4; SW/4SW/4 Sec. 35: All

JRC

A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEMENT - 1989

1 IN WITNESS WHEREOF, this agreement shall be effective as of the 1st day of August

2 2002.

3 ATTEST OR WITNESS:

OPERATOR

Solaris Exploration, Inc.

4
5 By L. Faust
6 Lynn S. Faust
7 Type or print name

8 Title Vice President

9 Date 8-22-02

10 Tax ID or S.S. No. 046-66-2409

12 NON-OPERATORS

13 Rocksource Energy Corporation

14
15 By Thomas A. Collins
16 Thomas A. Collins
17 Type or print name

18 Title President

19 Date 8/21/02

20 Tax ID or S.S. No. 75-0456227
21 Tidewater Oil & Gas Company LLC

22
23 By James S. Jones
24 James S. Jones
25 Type or print name

26 Title Manager

27 Date 8/13/02

28 Tax ID or S.S. No. 84-1363891

29 By

30 Type or print name

31 Title

32 Date

33 Tax ID or S.S. No.

Solaris Exploration, Inc.
State 21-19 #32-16D
SW¼ SE¼ SE¼, Section 32, T21S, R19E
Grand Co., Utah

DRILLING PROGNOSIS

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

GR Elevation of 4,818 feet.

<u>FORMATION</u>	<u>Top</u>
Mancos Shale	Surface
Ferron Sandstone	290'
Tununk Shale	620'
Dakota Siltstone	1,075'
Dakota Sandstone	1,245'
Cedar Mtn. Fm	1,280'
Burro Canyon	1,450'
Morrison Fm	1,490'
Salt Wash	1,960'
Tidwell	2,290'
Moab Tongue SS	2,365'
Entrada SS	2,430'
Carmel Fm	2,785'
Navajo SS	2,925'
Kayenta Fm	3,420'
Wingate SS	3,670'
Chinle Fm	4,150'
Paradox Fm	4,675'
TD	4,900'

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERAL BEARING FORMATIONS

<u>FORMATION</u>	<u>DEPTH (TVD-ft)</u>	<u>SUBSTANCE</u>
Salt Wash	1,960' - 2,289'	Possible Oil/gas
Moab Tongue SS	2,365' - 2,429'	Possible Oil/gas.
Entrada SS	2,430' - 2,784'	Possible Oil/gas.
Navajo SS	2,925' - 3,419'	Possible Oil/gas.
Kayenta Fm	3,420' - 3,669'	Possible Oil/gas.
Wingate SS	3,670' - 4,149'	Possible Oil/gas.

Any shallow water zones encountered will be adequately protected and reported. All potentially productive hydrocarbon zones will be cemented off.

3. PRESSURE CONTROL EQUIPMENT-Schematic attached

A. Type: 11"-3,000 psi WP BOP (See BOP diagram)

B. **Pressure rating:** 3,000 psi working pressure

C. **Testing Procedures:**

BOP Equipment and the 9 5/8" casing will be pressure tested to rated pressures prior to drilling out of the 9 5/8" surface casing. BOP rams will be function tested on trips and the stack will be pressure tested every 30 days if necessary.

4. **THE PROPOSED CASING AND CEMENTING PROGRAM**

A. **The Casing Program**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Joint</u>	<u>Depth</u>
12.250"	9 5/8"	36.00	J-55	STC	400'
8.750"	7"	23.00	J-55	LTC	4,900'

All tubulars will be new or inspected to premium specifications. Casing strings will be pressure tested to 0.22 psi/ft of casing string length or to 1,500 psi whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe. Surface casing shoe will be set in a competent formation.

A pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

B. **The Cementing Program**

Surface Casing: Cement from 400' to surface as follows:
Lead cement to surface utilizing 100% excess. Lead cement will consist of approximately 185 sx Class G, weight 15.2 ppg, yeild 1.18 cubic ft/sx.

Production Casing: Cement from total depth back up to 400' with sufficient tail slurry at 14.4 #/gal to bring cement to 4,000'??, and lead slurry at 11.0#/gal calculated to bring cement to 400'. Lead cement will consist of approximately 125 sx Blend weight 11.0 ppg, yeild 3.82 cubic ft/sx. Tail in with 375 Sx 50/50 poz, weight 14.4 ppg, yield 1.21 cubic ft/sx. Wait on cement, set slips with casing in full tension.

Actual volumes to be determined after reviewing logs and shows. All potentially productive zones will be covered with cement.

5. **MUD PROGRAM**

Interval	Type
0-400'	Air, Air mud
400'—4,900'	LSND

6. EVALUATION PROGRAM

Electric Logging Program

<u>Hole Size</u>	<u>Mud Type</u>	<u>Interval</u>	<u>Logging Suite</u>
8.750"	LSND	T.D. to Surface Csg	GR/Dual Induction- SFL
			GR/Borehole Compensated
			Sonic/GR Neutron-Density
		T.D. to Surface	Continuous Dipmeter-FMI
			Gamma Ray-Directional

Mud Logging Program

<u>Hole Size</u>	<u>Interval</u>	<u>Sample Frequency</u>	<u># of Sample Cuts</u>
8.750"	Surface to T.D.	10'	3

- Two-men (24 hours) automated mud logging FID and Chromatograph unit with wellsite geologic consultant starting at Surface to TD.
- Drill 8 ¾" hole to a total depth, circulate all shows and test zones as determined by gas shows, drilling breaks, etc. as recommended by wellsite geologist.

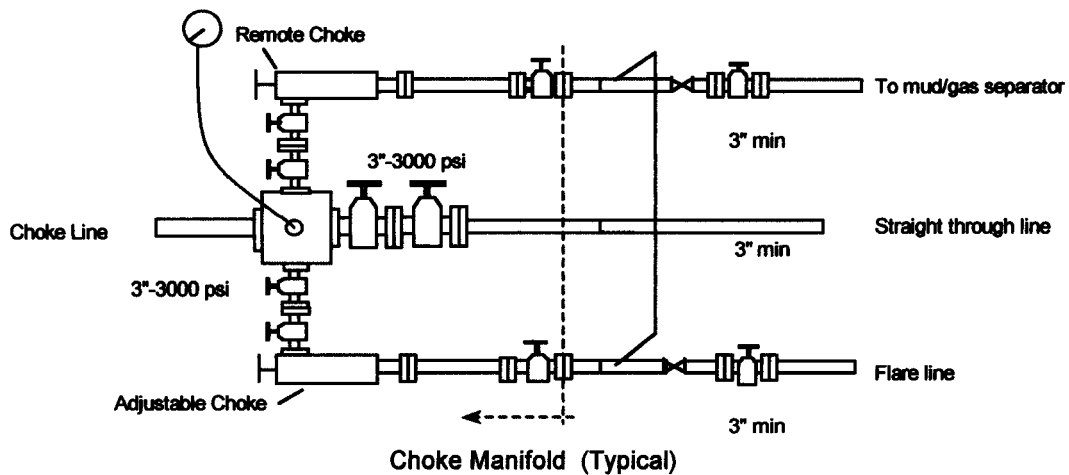
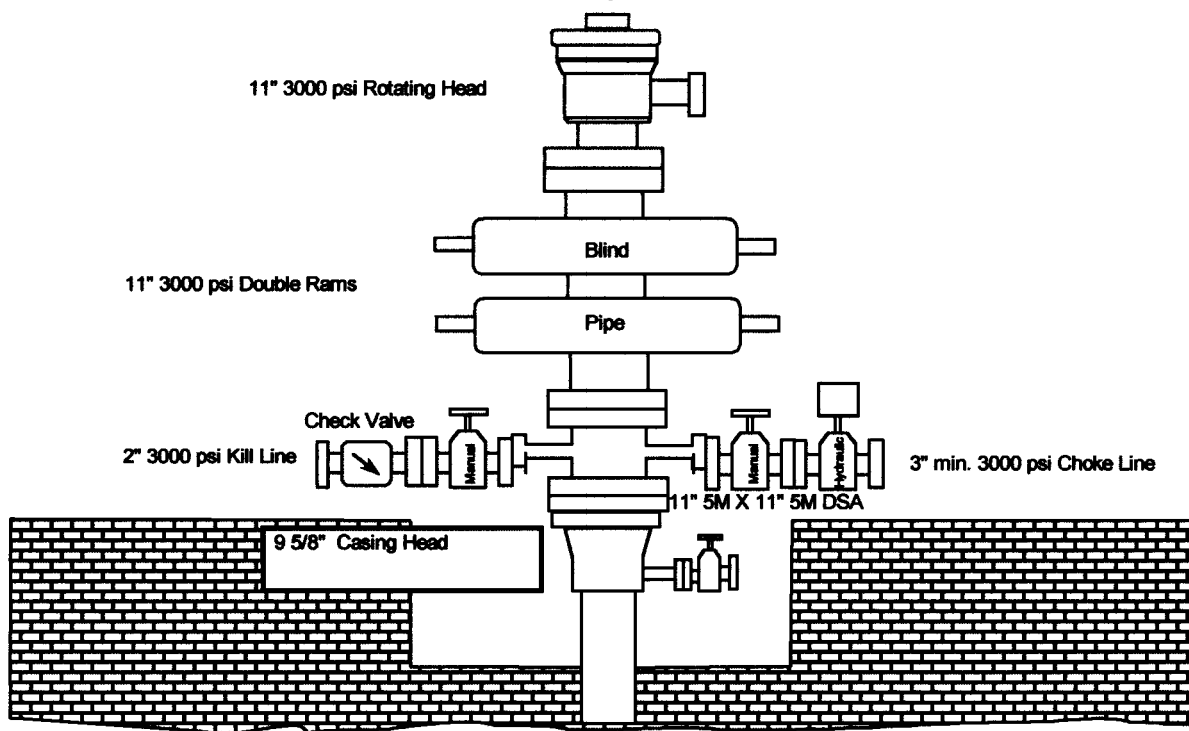
7. ANTICIPATED PRESSURES

Encountered pressures are expected to "normal" – .433 psi/ft.

No abnormal pressures are expected.

There is no known H2S in the area.

BOPE Diagram 3000 psi WP



SOLARIS EXPLORATION, INC
State 21-19 # 32-16D
Sec. 32, T21S-R19E
Grand County, Utah

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and hereby designates

NAME: **SOLARIS EXPLORATION, INC.**
16888 Imperial Valley, Suite 380
ADDRESS: Houston, Texas 77060

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Section 32: SE/4
Gard County, Utah

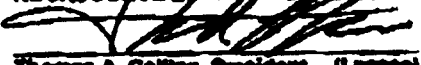
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ROCKSOURCE ENERGY CORPORATION


Thomas A. Collins, President (Lessee)
Box 891847, Houston, TX 77289-1847
Aug 26, 2002 Date

TIDEWATER OIL & GAS COMPANY, LLC


James S. Jowett, Manager (Lessee)
11614 Elk Head Range Road, Littleton, CO 80127
Aug 19, 2002 Date

SOLARIS EXPLORATION, INC.


Lynn Faust, Vice President (Operator)
16888 Imperial Valley, Suite 380
Houston, TX 77060
Aug 26, 2002 Date



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE RESOURCES

Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Kevin Conway
Division Director

Southeastern Region
475 West Price River Drive, Suite C
Price, Utah 84501-2860
(435) 636-0260 telephone
(435) 637-7361 fax
www.nr.utah.gov

21 July, 2003

Ms. Diana Mason
Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

Subject: RDCC # 3050, APD wildcat well State 21-19.

Dear Ms. Mason;

In regards to the subject action, the Utah Division of Wildlife Resources has the following comments.

We are concerned that development of the area for oil and gas production will result in impacts to native wildlife. The area contains habitat suitable for ferruginous hawk and burrowing owl nesting. Also, this area is just across Interstate Highway 70 from year-long critical antelope range.

Surveys for burrowing owls and ferruginous hawks should be conducted, if they have not been. During March 1 – August 1 no construction or drilling activity should occur within a 0.5 mile buffer of ferruginous hawk nests that appear to have been active during any of the past 3 years. These activities should not occur within 0.25 miles of recently active burrowing owl nests during April 1 – August 15. In order to avoid raptor electrocutions, only raptor-safe design utility poles should be installed. It appears from the APD that the lease-holders will be permitted to develop this field at 40 acre well spacing if they desire. Spacing wells at 1 per quarter section would greatly reduce negative impacts to antelope and other wildlife species.

Thank-you for the opportunity to review and comment on this proposed action. If you have any questions, please contact Tony Wright, oil and gas mitigation biologist, at our Price office, (435) 636-0267.

Sincerely,

Derris Jones
Regional Supervisor

DJ/aw

RECEIVED

JUL 29 2003

DIV. OF OIL, GAS & MINING

bc: **GOPB**
 Habitat Section-Mike Canning
 DNR – Carolyn Wright

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: Solaris Exploration
WELL NAME & NUMBER: State 21-19 #32-16D
API NUMBER: 43-019-31339
LEASE: State FIELD/UNIT: _____
LOCATION: 1/4, 1/4 SESE Sec: 32 TWP: 21S RNG: 19E 122 FSL 994 FEL
LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.
GPS COORD (UTM): X = 600815 E; Y = 4310085 N SURFACE OWNER: F.W. Wheeler
Trustee and Irvin M. Shlenker Estate.

PARTICIPANTS

M. Jones (DOGM), James Jones and Duane Wurzer (Tidewater), T. Wright (DWR), Jerry McNeely (Grand County), were in attendance for the on-site of this well. SITLA was invited but chose not to attend the onsite. Surface owners were not invited to attend due to false information given by the operator.

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Proposed location is ~19 miles east of Green River, Utah along I-70 and ~1 mile west of Crescent Jct. on I-70. Staked location lies just west of the Crescent Jct. I-70 rest area. The direct area drains west. Dry washes are typical throughout the area. Access is proposed to come from state Hwy 191 ~1.5 miles south of Crescent Jct. then across Fee, BLM, and SITLA lands to the location.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife habitat and grazing.

PROPOSED SURFACE DISTURBANCE: 150' x 375' and a 30' x 200' x 10' pit which is excluded from the pad dimensions.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: Multiple PA wells and 1 Shut-in oil well is within a 1 mile radius of the above proposed well.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: On location.

SOURCE OF CONSTRUCTION MATERIAL: Obtained locally and transported in.

ANCILLARY FACILITIES: On location as needed.

WASTE MANAGEMENT PLAN:

Portable chemical toilets which will be emptied into the municipal waste treatment system; garbage cans on location will be emptied into centralized dumpsters which will be emptied into an approved landfill. Crude oil production is unlikely. Drilling fluid, completion / frac fluid and cuttings will be buried in the. Produced water will be diverted to the reserve pit and allowed to evaporate. Produced water will be trucked to proper produced water disposal site if necessary. Used oil from drilling operations and support will be hauled to a used oil recycler and reused.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Dry washes.

FLORA/FAUNA: Halogeton, sagebrush, grasses, small game, rodents.

SOIL TYPE AND CHARACTERISTICS: Gravelly silty clay.

EROSION/SEDIMENTATION/STABILITY: Erosive upon disturbance.

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: Dugout earthen pit.

LINER REQUIREMENTS (Site Ranking Form attached): None required.

SURFACE RESTORATION/RECLAMATION PLAN

As per surface use agreement.

SURFACE AGREEMENT: Currently in negotiation.

CULTURAL RESOURCES/ARCHAEOLOGY: Completed and placed on file with SITLA.

OTHER OBSERVATIONS/COMMENTS

DWR has some hawk nesting concerns if activities are delayed into spring, otherwise no concerns for this location. Grand County WELCOMES the proposed drilling. A pond lies along the access route at 600655 E 4309514 N NAD27 zone 12N. This pond holds runoff water for livestock use. The pad was staked cutting through an existing fence line. I recommended spinning the location ~15 degrees clockwise and running the location parallel to the fence to the operator. It also appears logical to move the new access road to the west side of the fence and eliminate **all** proposed new fence crossings. Cutting through this fence appears unnecessary at this time. These concerns and suggestions were also talked about with Rich McLure, BLM Moab. Rich will take these issues into consideration as he works on a right-of-way permit for Solaris to access this well. The location has been staked partially on BLM surface, which the Moab BLM office will also address in their right-of-way permit. Several, rather small, drainages will be crossed en-route to location where culverts will be necessary, and proper drainage diversion around the location will be needed. Solaris has been very pushy with this permit and has not provided accurate information, particularly with the surface owners for this well site.

ATTACHMENTS

Photos of this location were taken and placed on file.

Mark L. Jones
DOGM REPRESENTATIVE

August 4, 2003 / 2:15 pm
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>0</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

Final Score 10 (Level III Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.









From: Ed Bonner
To: Mason, Diana
Date: 8/6/03 10:00AM
Subject: Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Solaris Exploration
State 21-19 #32-16D

Dominion E&P Inc
WHB 8-36E

Westport Oil & Gas
NBU 922-36I
NBU 1022-2I

If you have any questions regarding this matter please give me a call.

CC: Garrison, LaVonne; Hill, Brad; Hunt, Gil

SOLARIS EXPLORATION, CORP.
16800 IMPERIAL VALLEY DR., STE. 380
HOUSTON, TEXAS 77060
281-931-8933 281-931-8655 FAX

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
<i>Diana Mason</i>	Lynn Faust
COMPANY:	DATE:
	8-6-03
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
801-359-3940	12

RE: *State 21-19 #32-16D* YOUR REFERENCE NUMBER:

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

RECEIVED
AUG 06 2003
DIV. OF OIL, GAS & MINING

APPLICATION FOR TEMPORARY CHANGE
OF WATER RECEIVED

Rec. by MK Check 1405

Fee Paid\$ 75.00

491. 3 0 2003

Receipt # 03-03552

STATE OF UTAH

Microfilmed

WATER RIGHTS **Roll #**

Roll #

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made, to the State Engineer, based upon the following showing of facts submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

WATER RIGHT NO. 01-1130 *APPLICATION NO. 1-8149

Changes are proposed in (check those applicable)

point of diversion. X place of use. X nature of use. X period of use.

1. OWNER INFORMATION

Name: Utah School and Institutional Trust Lands Administration *Interest:

Address: 675 East 500 South, Suite 500

City: Salt Lake City State: Utah Zip Code: 84102

2. *PRIORITY OF CHANGE: July 30, 2003 *FILING DATE: July 30, 2003

3. RIGHT EVIDENCED BY: 01-1130 (F71691)

Prior Approved Temporary Change Applications for this right: 123390; 125961; 127029

***** HERETOFORE *****

4. QUANTITY OF WATER: _____ cfs and/or 845.90 ac-ft.

5. SOURCE: Underground Water Wells (Existing) (4)

6. COUNTY: Grand

7. POINT(S) OF DIVERSION: 1. S 1868 ft W 11 ft from N4 cor, Sec 22, T24S, R20E, SLBM

2. S 2341 ft W 218 ft from N4cor, Sec. 22, T24S, R20E, SLBM

3. S 2124 ft W 73 ft from N4 cor, Sec. 22, T24S, R20E, SLBM

1. S 1220 ft E 890 ft from W4 cor, Sec. 23, T24S, R20E, SLBM

Description of Diverting Works: 16" casing 855 feet deep

8. POINT(S) OF REDIVERSION

The water has been rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is _____ cfs or 845.90 ac-ft.

The amount of water returned is _____ cfs or _____ ac-ft.

The water has been returned to the natural stream/source at a point(s): _____

***These items are to be completed by the Division of Water Rights.**

10. NATURE AND PERIOD OF USE

Irrigation: From April 1 to October 31
 Stockwatering: From _____ to _____
 Domestic: From Jan 1 to December 31
 Municipal: From _____ to _____
 Mining: From _____ to _____
 Power: From _____ to _____
 Other: From _____ to _____

11. PURPOSE AND EXTENT OF USE

Irrigation: 169.0 acres. Sole supply of _____ acres.
 Stockwatering (number and kind): _____
 Domestic: two Families and/or _____ Persons.
 Municipal (name): _____
 Mining: _____ Mining District in the _____ Mine.
 Ores mined: _____
 Power. Plant name: _____ Type: _____ Capacity: _____
 Other (describe): _____

12. PLACE OF USE

Legal description of place of use by 40 acre tract(s):
S1/2NE1/4, SE1/4NW1/4, SE1/4 Sec. 22; SW1/4SW1/4 Sec. 23 both T24S-R20E, SLB&M
Dalton Well Lease #1013

13. STORAGE

Reservoir Name: Dalton Well Reservoir Storage Period: from April 1 to October 31
 Capacity: 11.781 ac-ft. Inundated Area: 1.30 acres.
 Height of dam: 10.0 feet.
 Legal description of inundated area by 40 tract(s): SW1/4NE1/4, SE1/4NW1/4, Section 22, T24S-R20E SLB&M

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: _____ cfs and/or 0.1 ac-ft.
 15. SOURCE: Underground Water Wells (existing) (4)
 Balance of the water will be abandoned: _____, or will be used as heretofore: X
 16. COUNTY: Grand
 17. POINT(S) OF DIVERSION: 1. S 1868 ft W 11 ft from N4 cor, Sec 22, T24S, R20E, SLBM
2. S 2341 ft W 218 ft from N4 cor, Sec. 22, T24S, R20E, SLBM
3. S 2124 ft W 73 ft from N4 cor, Sec. 22, T24S, R20E, SLBM
4. S 1220 ft E 890 ft from W4 cor, Sec. 23, T24S, R20E, SLBM
 Description of Diverting Works: 1.) 7" x 600'; 2.) 12" x 690'; 3.) 10-3/4" x 750'; 4.) 8-5/8" x 300'
 *COMMON DESCRIPTION: Dalton Well

18. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

19. POINT(S) OF RETURN

The amount of water to be consumed is _____ cfs or 0.1 ac-ft.
 The amount of water to be returned is _____ cfs or _____ ac-ft.
 The water will be returned to the natural stream/source at a point(s): _____

20. NATURE AND PERIOD OF USE

Irrigation: From / / to / /
Stockwatering: From / / to / /
Domestic: From / / to / /
Municipal: From / / to / /
Mining: From / / to / /
Power: From / / to / /
Other: From 7 / 30 / 03 to 12 / 31 / 03

21. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining _____ Mining District at the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Exploratory Drilling

22. Place of Use

Legal Description of place of use by 40 acre tract(s):

SE1/4SE1/4, Section 32, T21S-R19E, SLB&M

23. Storage

Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

2.1. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary): _____
Use at the State 21-19 #32-16D gas well.

Solaris Exploration, Inc. 16800 Imperial Valley Dr., Ste. 380, Houston, Texas 77060. Phone # 281-931-8933

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Jan Parmenter
Signature of Applicant(s)

for
Utah Trust Lands Admin.

STATE ENGINEER'S ENDORSEMENT


TEMPORARY CHANGE APPLICATION NUMBER: t28149

WATER RIGHT NUMBER: 01 - 1130

1. July 30, 2003 Change Application received by MCKILLIAN.
 2. July 30, 2003 Priority of Change Application.
 3. Application reviewed and approved for advertising by .
Publication began in .
Publication completed and verified.
 4. End of protest period.
Application protested: NO
 5. August 1, 2003 Application designated for APPROVAL by MPAGE and KJONES.
 6. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated August 1, 2003, subject to prior rights and this application will expire on December 31, 2003.


Mark Page
Regional Engineer

RECEIVED

JUL 30 2003

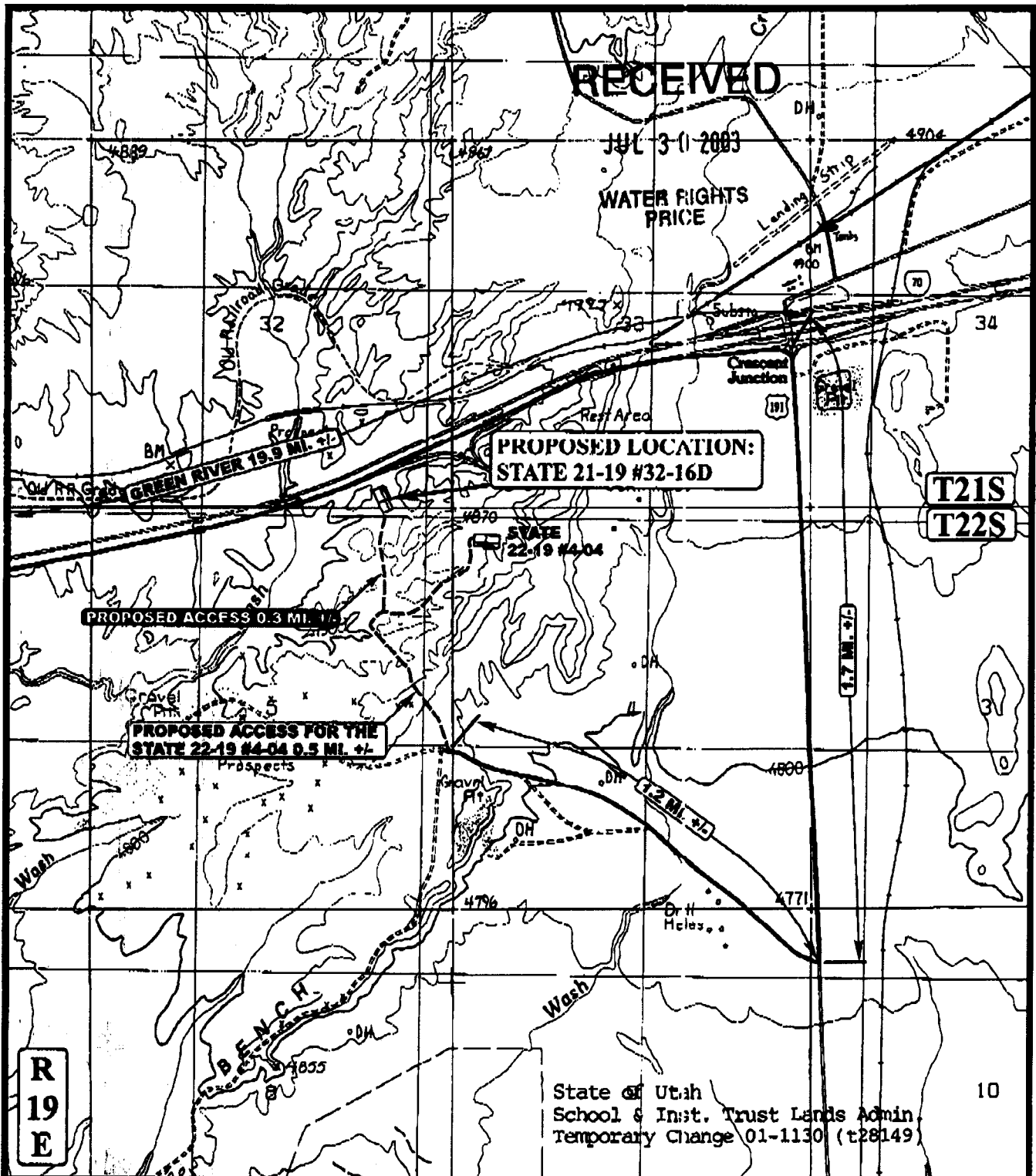
APPLICANT'S MAP VERIFICATION STATEMENT WATER RIGHTS
PRICE

*I/we, State of Utah School and Institutional Trust Lands Administration, hereby acknowledge that this map (or, the map attached to this application), consisting of 1 pages numbered 1 to 1 was prepared in support of Application Number 01-1130 (t28149).

I/we hereby accept and submit this map as a true representation of the facts shown thereon to the best of my/our knowledge and belief*.



Signature



LEGEND:

- EXISTING ROAD
- - - PROPOSED ACCESS ROAD
- R.M. LANDS
- FEE LANDS

N

SOLARIS EXPLORATION, INC.

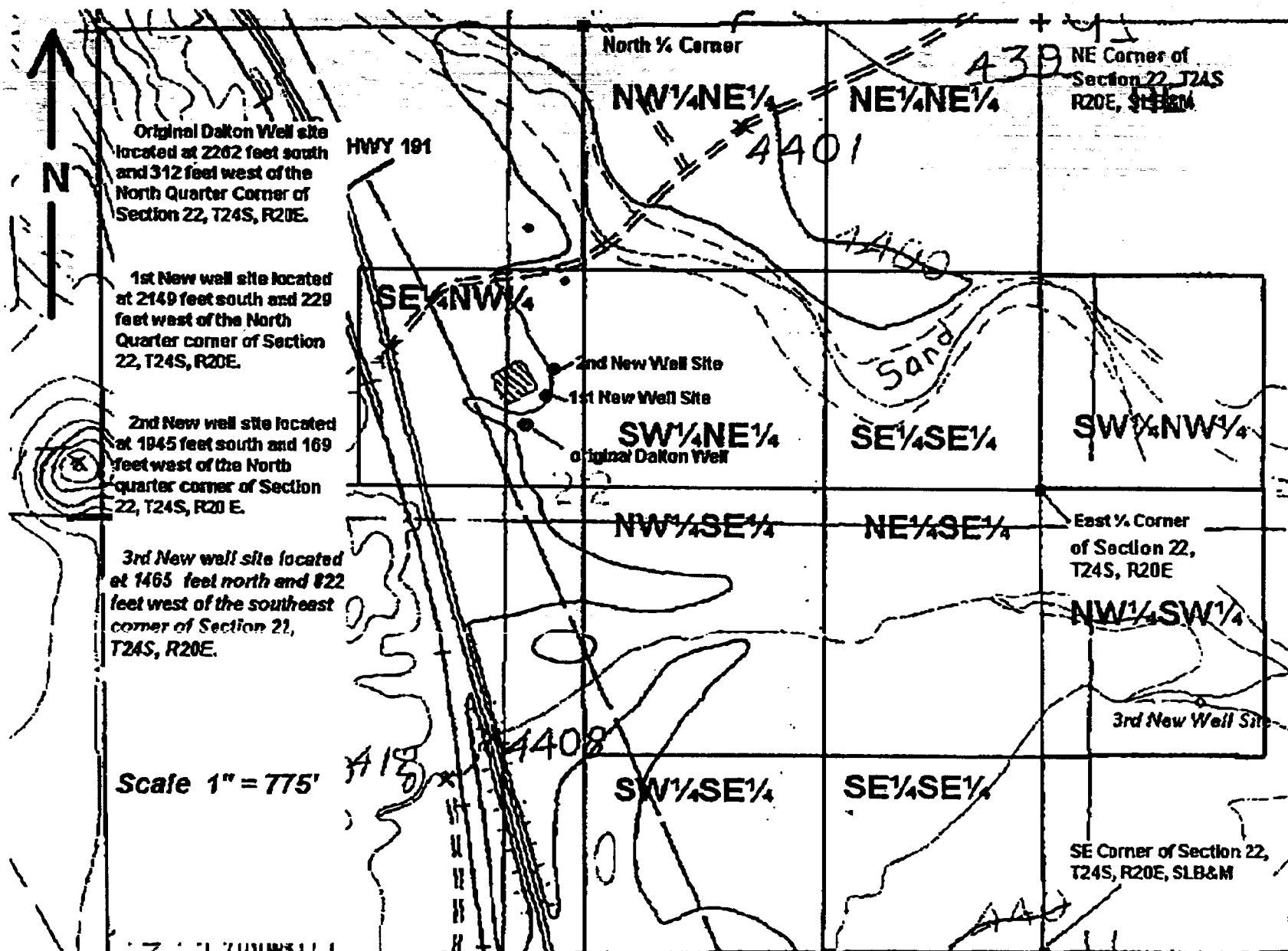
**STATE 21-19 #32-16D
SECTION 32, T21S, R19E, S.L.B.&M.
122' FSL 994' FEL**



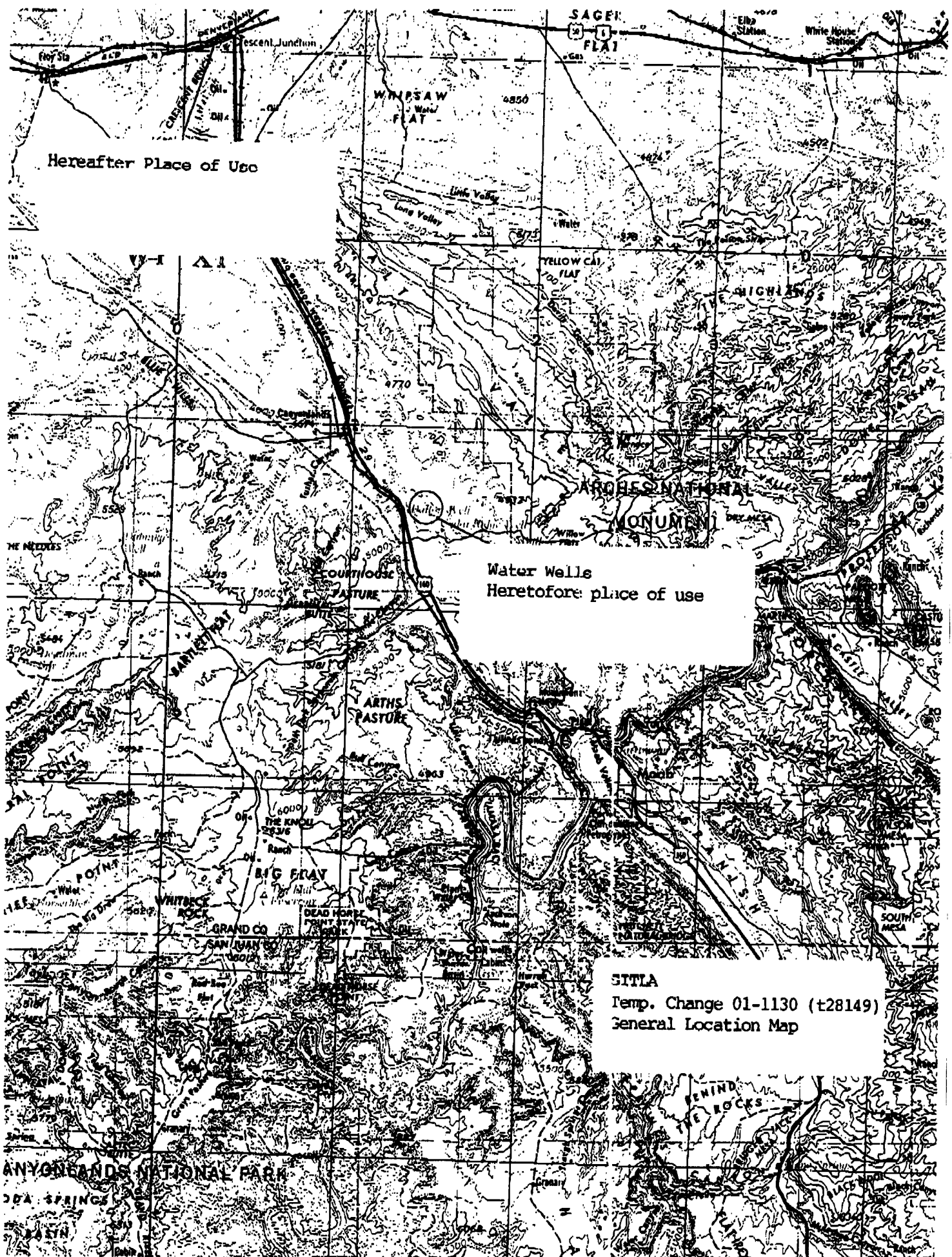
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 • FAX (435) 789-1813

TOPOGRAPHIC MAP
05 20 03
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 06-18-03





State of Utah School & Institutional Trust Lands Admin.
Water Right 01-1130 (t28149)



**Solaris
Exploration, Corp.**

10000 Imperial Valley Dr.
Suite 300
Houston, Texas 77060
Tel: 281-931-8655
Fax: 281-631-8655

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July 23, 2003

JUL 30 2003

WATER RIGHTS
PRICE

Bob Beeman
Bob Beeman Drill Co.
9400 S. Hwy 151
PO Box 788
Moab, UT 84532

Re: Water Rights

I Robert Beeman of Bob Beeman Drilling Co., do hereby authorize that Solaris Exploration Corporation has my permission to use water from the following wells:

Dutton Wells,
Location - S. 2262 ft. & W. 312 ft.
T24S, R20E, SLB & M

ATTEST: Meghan Klatt

BY: Robert Beeman

Robert Beeman

State of Utah School & Institutional Trust Lands Administration
Temporary Change 01-1130 (t28149)



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Jerry D. Olds
State Engineer

Southeastern Area
453 South Carbon Avenue
PO Box 719
Price, Utah 84501-0719
(435) 637-1303 telephone
(435) 637-7937 fax
www.nr.utah.gov

DATE: August 1, 2003

RECEIPT No. 03-03552

>>>>>>>OFFICIAL RECEIPT<<<<<<<

RECEIVED FROM:

Utah School and Institutional Trust Lands Admin.
675 East 500 South, Suite 500
Salt Lake City, UT 84102

NATURE OF SERVICE:

Change Application

t28149(01-1130)

FEE:

75.00

TOTAL: \$75.00

METHOD OF PAYMENT: Check 1405

RECEIVED BY:

MKILLIAN

SOLARIS EXPLORATION INC. 16800 IMPERIAL VALLEY DRIVE SUITE 380 HOUSTON, TX 77060 (281) 931-8933		00-1100-1130 1405
PAY TO THE ORDER OF <u>State of Utah Dept. of Natural Resources</u>		DATE <u>6-27-03</u>
<u>Seventy five</u>		<u>\$ 75.00</u>
SOUTHWEST BANK OF TEXAS, N.A. 800.850.8740 HOUSTON, TEXAS 77227-7400		75 DOLLARS
MEMO <u>L. Leavitt</u>		
⑆00000⑆113011358⑆1405⑆0003185273⑆		

SOLARIS EXPLORATION INC. 18800 IMPERIAL VALLEY DRIVE SUITE 380 HOUSTON, TX 77060 (281) 931-8933		38-1125-1130 1403
PAY TO THE ORDER OF <u>Bureau of Land Management</u>		DATE <u>6-27-03</u>
<u>Three hundred seventy five</u>		<u>75.00</u> DOLLARS
SOUTHWEST BANK OF TEXAS, N.A. HOUSTON, TEXAS 77002		
MEMO <u>See Bkw UTO-80497</u> <u>L. Lant</u>		
⑆⑆⑆30⑆⑆258⑆ ⑆403⑆0003⑆85273⑆		



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Jerry D. Olds
State Engineer

Southeastern Area
453 South Carbon Avenue
PO Box 718
Price, Utah 84501-0718
(435) 637-1303 telephone
(435) 637-7937 fax
www.nr.utah.gov

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August 1, 2003

State of Utah School and Institutional
Trust Lands Administration
Attn: Jan Parmenter
675 East 500 South Suite 500
Salt Lake City, Utah 84102

Dear Applicant:

Re: Temporary Change Application
Number t28149 (01-1130)

The above referenced Temporary Change Application has been **APPROVED**. This application will expire **December 31, 2003**, and it is expected that no diversion or use of the water will be made after that date unless another proposal has been made and approved. A copy is enclosed for your information and records.

If you have any questions, please feel free to contact me.

Sincerely,

Mark P. Page
Regional Engineer

Enclosures
MPP/mjk

Utah!
Where Ideas Connect™

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DIV. OF OIL, GAS & MINING

SOLARIS EXPLORATION, CORP.
16800 IMPERIAL VALLEY DR., STE. 380
HOUSTON, TEXAS 77060
281-931-8933 281-931-8655 FAX

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
<i>Diana Mason</i>	Lynn Faust
COMPANY:	DATE:
	8-7-03
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
801-359-3940	5
RE:	YOUR REFERENCE NUMBER:
<i>State Row</i>	
<input type="checkbox"/> URGENT <input type="checkbox"/> FOR REVIEW <input type="checkbox"/> PLEASE COMMENT <input type="checkbox"/> PLEASE REPLY <input type="checkbox"/> PLEASE RECYCLE	

*Do you know if we got the State Row
permit, yet?*

*Shanda
Lynn*

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DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab Field Office
82 East Dogwood
Moab, Utah 84532

2800
UTU-80497
(UT-062)

CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Certification No. 7003 1010 0004 5516 3138

JUL 24 2003

DECISION

Solaris Exploration, Inc.
16800 Imperial Valley Dr., Suite 380
Houston, Texas 77060

Right-of-Way UTU-80497

Cost Recovery Category Determined! Application for Right-of-Way UTU-80497

On July 11, 2003, Solaris Exploration, Inc. filed an application for a right-of-way for a road in Grand County, Utah, under the authority of Title V of the Federal Land Policy and Management Act, as amended. The right-of-way has been assigned Bureau of Land Management (BLM) serial number UTU-80497. In your future correspondence with this office, we ask that you refer to the BLM serial number which has been assigned to this application.

The cost reimbursement provisions of 43 CFR 2808.3-1, establish a cost recovery fee schedule for both processing and monitoring fees. It has been determined that your application falls under Category II. Under this category, you are required to pay a nonrefundable application processing fee in the amount of \$300.00 before we can take further action on your application. In addition to the processing fee, there is a monitoring fee for Category II in the amount of \$75.00. Please note that a category determination may be changed to Category V at any time it is determined that an Environmental Impact Statement is required.

The processing and monitoring fees of \$375.00 are now due.

This decision may be appealed to the Interior Board of Land Appeals, Office of the Secretary, in accordance with the regulations at 43 CFR, Part 4 and the enclosed Form 1842-1. If an appeal is taken, your notice of appeal must be filed in this office (at the above address) within 30 days from receipt of this decision. The appellant has the burden of showing that the decision appealed from is in error.

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DIV. OF OIL, GAS & MINING

-2-

If you wish to file a petition (pursuant to regulation 43 CFR 4.21 (58 FR 4939, January 19, 1993) or 43 CFR 2804.1 for a stay of the effectiveness of this decision during the time that your appeal is being reviewed by the Board, the petition for a stay must accompany your notice of appeal. A petition for a stay is required to show sufficient justification based on the standards listed below. Copies of the notice of appeal and petition for a stay must also be submitted to each party named in this decision and to the Interior Board of Land Appeals and to the appropriate Office of the Solicitor (see 43 CFR 4.413) at the same time the original documents are filed with this office. If you request a stay, you have the burden of proof to demonstrate that a stay should be granted.

Standards for Obtaining a Stay

Except as otherwise provided by law or other pertinent regulation, a petition for a stay of a decision pending appeal shall show sufficient justification based on the following standards:

- (1) The relative harm to the parties if the stay is granted or denied,
- (2) The likelihood of the appellant's success on the merits,
- (3) The likelihood of immediate and irreparable harm if the stay is not granted, and
- (4) Whether the public interest favors granting the stay.

Please note, however, that under the regulations in 43 CFR Group 2800, this decision is effective even if an appeal is filed.

3.



Assistant Field Office Manager
Division of Resources

Enclosure
Form 1842-1

4. A1

. PRI

less 1
mmuni

ITE: /

... actually received in the proper office (see 43 CFR Sec. 4.401(a))

Form 1842-1
(February 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

INFORMATION ON TAKING APPEALS TO THE BOARD OF LAND APPEALS

DO NOT APPEAL UNLESS

1. This decision is adverse to you,
AND
2. You believe it is incorrect

IF YOU APPEAL, THE FOLLOWING PROCEDURES MUST BE FOLLOWED

1. NOTICE OF APPEAL Within 30 days file a *Notice of Appeal* in the office which issued this decision (see 43 CFR Secs. 4.411 and 4.413). You may state your reasons for appealing, if you desire.
Assistant Field Manager, Division of Resources
Bureau of Land Management
82 East Dogwood
Moab, Utah 84532
- SOLICITOR
ALSO COPY TO Regional Solicitor, Intermountain Region
U.S. Department of Interior
6201 Federal Building
125 South State Street
Salt Lake City, Utah 84138-1180
3. STATEMENT OF REASONS . . . Within 30 days after filing the *Notice of Appeal*, file a complete statement of the reasons why you are appealing. This must be filed with the United States Department of the Interior, Office of the Secretary, Board of Land Appeals, 4015 Wilson Blvd., Arlington, Virginia 22203 (see 43 CFR Sec. 4.412 and 4.413). If you fully stated your reasons for appealing when filing the *Notice of Appeal*, no additional statement is necessary.
Regional Solicitor, Intermountain Region
U.S. Department of Interior
6201 Federal Building
125 South State Street
Salt Lake City, Utah 84138-1180
- SOLICITOR
ALSO COPY TO
4. ADVERSE PARTIES Within 15 days after each document is filed, each adverse party named in the decision and the Regional Solicitor or Field Solicitor having jurisdiction over the State in which the appeal arose must be served with a copy of: (a) the *Notice of Appeal*, (b) the Statement of Reasons, and (c) any other documents filed (see 43 CFR Sec. 4.413). Service will be made upon the Associate Solicitor, Division of Energy and Resources, Washington, D.C. 20240, instead of the Field or Regional Solicitor when appeals are taken from decisions of the Director (WO-100).
5. PROOF OF SERVICE Within 15 days after any document is served on an adverse party, file proof of that service with the United States Department of the Interior, Office of the Secretary, Board of Land Appeals, 4015 Wilson Blvd., Arlington, Virginia 22203. This may consist of a certified or registered mail "Return Receipt Card" signed by the adverse party (see 43 CFR Sec. 4.401(c)(2)).

Unless these procedures are followed your appeal will be subject to dismissal (see 43 CFR Sec. 4.402). Be certain that all communications are identified by serial number of the case being appealed.

NOTE: A document is not filed until it is actually received in the proper office (see 43 CFR Sec. 4.401(a)).

AFFIDAVIT OF LYNN FAUST**STATE OF TEXAS****COUNTY OF** HARRIS

BEFORE ME, the undersigned Notary, DEBRA K. OLSON,
on this 14 day of August, 2003, personally appeared Lynn Faust,
known to me to be a credible person and of lawful age, who being by me first duly sworn
on her oath, deposes and say:

I, Lynn Faust, as a representative of Solaris Exploration Corporation (Solaris) did
personally speak to Mrs. Gay Schlenker Block and Mr. Ron Cowe legal representatives
of the current surface owners of the proposed well site Statc 21-19 #32-16D and for
consideration have given their permission to Solaris to build the proposed well site.

Lynn Faust
Lynn Faust, Vice-President

Subscribed and sworn to before me, this 14 day of August, 2003

Debra K. Olson
Notary

NOTARY PUBLIC

My commission expires: Sept. 30, 2003



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DIV. OF OIL, GAS & MINING

SURFACE USE AGREEMENT

THIS AGREEMENT is entered into this 13 day of August, 2003, by and between Mae Dean Wheeler Trustee of both the F. W. Bert Wheeler Trust and the Mae Dean Wheeler Trust ("75% Surface Owner") 1919 Whitney Street, Suite 100, Houston, TX 77006, and Solaris Exploration Corp. ("Solaris"), 16800 Imperial Valley Drive, Ste. 380, Houston, TX 77060.

Solaris plans to drill and complete or plug and abandon the ST 21-19 #32-16D in the SW SE SE, Section 32, Township 21 South, Range 19 East, Grand County, Utah ("Property"), and the 75% Surface Owner owns an undivided 75% share of the surface of the Property. Solaris and 75% Surface Owner have agreed to the settlement of surface damages in the amount of Two Thousand Dollars (\$2,000.00), being One Thousand Five Hundred Net Dollars (\$1,500.00) in consideration of such payment and in consideration of the obligations set forth herein, Solaris and 75% Surface Owner agree as follows:

1. Said payment constitutes the full and entire consideration to be paid 75% Surface Owner by Solaris for the use of its partial ownership of the surface and all damages (except as provided in paragraph 2 hereof) to the Property associated with the drilling, testing, completion, re-completion, reworking, re-entry, pumping, operations and maintenance of the drill site located on the Property. The payment is for all damages to the Property, including, but not limited to, damages to growing crops, if any, removal, transportation and care of livestock, if any, construction of access roads preparation and use of the drill site area, preparation and use of reserve pits, construction, installation and maintenance of production equipment and facilities such as flow lines, gas pipelines, separators, tank batteries and other equipment or facilities necessary or convenient to the production, transportation and sale of oil, gas and other materials produced by or used for production of oil and/or gas from the Property. With respect to the construction, access roads, preparation and use of the drill site area, preparation and use of reserve pits, and construction, installation and maintenance of production equipment and facilities such as flow lines, gas pipelines, separators, tank batteries and other equipment or facilities necessary or convenient to the production, transportation and sale of oil, gas and other materials produced by or used for production of the well, Solaris may exercise the rights granted in this agreement at any time and from time to time without further additional consideration being payable to 75% Surface Owner. The "drillsite" or "drillsite area" is depicted on the plat attached as Exhibit "A".
2. If, by reason of Solaris' operations, there is damage to personal property located on the Property, or if there is damage to the Property caused by the negligence of Solaris or an unreasonable use of the Property by Solaris that is not associated with reasonable and normal drilling, testing, completion, re-completion, reworking, re-entry, pumping, production and maintenance operations, such as damage to structures, fences, culverts and cement ditches, such damage shall be repaired or replaced by

- Solaris or Solaris shall promptly pay 75% Surface Owner for such damage.
3. As between 75% Surface Owner and Solaris, 75% Surface Owner shall have no liability for the release or discharge by Solaris, its contractors or agents of oil, gas or any other substance on or under the property, except as any such release or discharge is caused in whole or in part by 75% Surface Owner, 75% surface Owner's tenant, licensees, invitees, or agents, and Solaris will indemnify and hold 75% Surface Owner harmless from and against all costs and expenses (including reasonable attorney's fees) for any such release or discharge by Solaris.
 4. Solaris agrees to restore the surface of the land as close to predisturbed topography and surface condition as possible, but not less than the minimum well site restoration requirements established by the Utah Division of Oil, Gas & Mining.
 5. This Agreement constitutes written consent of 75% Surface Owner for Solaris to proceed with the drilling, testing completion, re-completion, re-working, re-entry, pumping, operation and maintenance of the above described drill site on the Property.
 6. Upon completion of a producing well, Solaris agrees to furnish 75% Surface Owner with a formal written release as to the surface usage covered by this Agreement with the exception of:
 - a. The immediate acreage around the Well, large enough in size to provide ample space for storage tanks and other production facilities, and also large enough for vehicle turnaround and other required use to properly maintain and operate the Well in accordance with the rules and regulations of the Utah Division of Oil, Gas & Mining.
 7. 75% Surface Owner agrees to provide a copy of this Agreement to any potential successor or assigns 75% Surface Owner prior to any potential successor or assigns of 75% Surface Owner prior to the closing of any sale of all or any portion of the property.
 8. Except for Paragraph 3. hereof which will survive the term of this Agreement, this Agreement will terminate at the end of two (2) years from the date hereof or, if the Well is productive, at such time as the Well is plugged and abandoned and the surface reclaimed and restored.
 9. This Agreement shall be binding upon and inure to the benefit of the successors and assigns of the parties hereto.

(The remainder of this page was intentionally left blank)

SURFACE USE AGREEMENT

THIS AGREEMENT is entered into this 22 day of August, 2003, by and between Gay Shlenker Block, Executrix of the Estate of Irvin M. Shlenker ("Surface Owner") 1530 Bishop's Lodge Road, Santa Fe, NM 87501, and Solaris Exploration Corp. ("Solaris"), 16800 Imperial Valley Rd, Ste. 380, Houston, TX 77060.

Solaris plans to drill and complete or plug and abandon a well in the SW SE SE, Section 32, Township 21 South, Range 19 East, Grand County, Utah ("Property"), and the Surface Owner owns an undivided 25% share of the surface of all of the Section 32 Property. Solaris and Surface Owner have agreed to the settlement of surface damages in the amount of Two thousand (\$2,000.00), being Five Hundred Net Dollars (\$500.00) in consideration of such payment and in consideration of the obligations set forth herein, Solaris and Surface Owner agree as follows:

1. Said payment constitutes the full and entire consideration to be paid Surface Owner by Solaris for the use of its partial ownership of the surface and all damages (except as provided in paragraph 2 hereof) to the land associated with the drilling, testing, completion, re-completion, reworking, re-entry, pumping, operations and maintenance of the drill site located on the Property. The payment is for all damages to the Property, including, but not limited to, damages to growing crops, if any, removal, transportation and care of livestock, if any, construction of access roads preparation and use of the drill site area, preparation and use of reserve pits, construction, installation and maintenance of production equipment and facilities such as flow lines, gas pipelines, separators, tank batteries and other equipment or facilities necessary or convenient to the production, transportation and sale of oil, gas and other materials produced by or used for production of oil and/or gas from the Property. With respect to the construction, access roads, preparation and use of the drill site area, preparation and use of reserve pits, and construction, installation and maintenance of production equipment and facilities such as flow lines, gas pipelines, separators, tank batteries and other equipment or facilities necessary or convenient to the production, transportation and sale of oil, gas and other materials produced by or used for production of the well, Solaris may exercise the rights granted in this Agreement at any time and from time to time without further additional consideration being payable to Surface Owner.
2. If, by reason of Solaris's operations, there is damage to personal property located on the Property, or if there is damage to the Property caused by the negligence of Solaris or an unreasonable use of the Property by Solaris that is not associated with reasonable and normal drilling, testing, completion, re-completion, reworking,

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DIV. OF OIL, GAS & MINING

- re-entry, pumping, production and maintenance operations, such as damage to structures, fences, culverts and cement ditches, such damage shall be repaired or replaced by Solaris or Solaris shall promptly pay Surface Owner for such damage.
3. As between Surface Owner and Republic, Surface Owner shall have no liability for the release or discharge by Solaris, its contractors or agents of oil, gas or any other substance on or under the property, except as any such release or discharge is caused in whole or in part by Surface Owner, Surface Owner's tenant, licensees, invitees, or agents, and Solaris will indemnify and hold Surface Owner harmless from and against all costs and expenses (including reasonable attorney's fees) for any such release or discharge by Solaris.
 4. Solaris agrees to restore the surface of the land in accordance with the minimum well site restoration requirements established by the Utah Division of Oil, Gas & Mining.
 5. This Agreement constitutes written consent of Surface Owner for Solaris to proceed with the drilling, testing completion, re-completion, re-working, re-entry, pumping, operation and maintenance of the above described drill site on the Property.
 6. Except as provided in paragraph 2 hereof, Surface Owner, for itself, and its successors and assigns, does hereby release, relinquish and discharge Solaris its successors and assigns, from all claims, demands, damages and causes of action, past, present and future, that Surface Owner may have by reason of the occupancy of the Property and for the drilling of the well and all other damage or injury to the Property caused by the drilling, completion, re-completion, re-working, re-entry, pumping, operation and maintenance of the well and Surface Owner accepts the above payment as full compensation for its interest therefore.
 7. Surface Owner agrees to provide a copy of this Agreement to any potential successor or assign of surface Owner prior to the closing of any sale of all or any portion of the property.
 8. This Agreement shall be binding upon and inure to the benefit of the successors and assigns of the parties hereto.

{The remainder of this page was intentionally left blank}

Agreed to and accepted the day and year first above written.

SOLARIS EXPLORATION CORP.

By: *L. Faust*
Lynn Faust, Vice-President

25% SURFACE OWNER:

By: *Gay Shlenker Block*
Gay Shlenker Block, Executrix of
The Estate of Irvin M. Shlenker
SS# or Tax ID No. _____

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

OPERATOR: Solaris Exploration
WELL NAME & NUMBER: State 21-19 #32-16D
API NUMBER: 43-019-31399
LOCATION: 1/4, 1/4 SESE Sec: 32 TWP: 21S RNG: 19E 122 FSL 994 FEL

Geology/Ground Water:

A well at this location will likely spud into a poorly permeable soil developed on the Cretaceous age Mancos Shale. There are three water rights filed within a mile of the location, two of which are filed by SITLA on ground water resources. Owing to a familiarity with the area, I am of the opinion that neither of the cited wells were ever drilled to confirm the resource for which application was made (from the mid-1980s vintage water right application: 8,100 acre-feet/ 16 inch diameter casing/ 1,500 feet to 2,500 feet total depth?). There is no evidence on digital orthophoto imagery of such infrastructure ever having been installed in the area during that relatively recent time). The Dakota/Burro Canyon Aquifer is estimated for penetration at a depth of 1,075 feet in the proposed well. Recent nearby wells indicate that this is probably optimistic (>2,700 feet to top of same interval). It is unlikely to encounter a significant high quality ground water resource. The operator has a shut in oil well about 2,000 feet to the north-northwest in the same Section. The proposed casing and cement program should provide adequate protection to the parsimonious high quality ground water resources in this area.

Reviewer: Christopher J. Kierst **Date:** 8/26/2003

Surface:

Proposed location is ~19 miles east of Green River, Utah along I-70 and ~1 mile west of Crescent Jct. on I-70. Staked location lies just west of the Crescent Jct. I-70 rest area. The direct area drains west. Dry washes are typical throughout the area. Access is proposed to come from state Hwy 191 ~1.5 miles south of Crescent Jct. then across BLM and SITLA lands to the location. DWR has some hawk nesting concerns if activities are delayed into spring, otherwise no concerns for this location. Grand County WELCOMES the proposed drilling. A pond lies along the access route at 600655 E 4309514 N NAD27 zone 12N. This pond holds runoff water for livestock use. The pad was staked cutting through an existing fence line. I recommended spinning the location ~15 degrees clockwise and running the location parallel to the fence. It also appears logical to move the new access road to the west side of the fence and eliminate all proposed new fence crossings. Cutting through this fence appears unnecessary at this time. These two items were discussed with the operator representative during the on-site and I later spoke with Mr. Rich McLure, BLM Moab. Mr. McLure will take these issues into consideration as he works on a right-of-way permit for Solaris to access this well. The location has been staked partially on BLM surface, which the Moab BLM office will also address in their right-of-way permit. Several, rather small, drainages will be crossed en-route to location where culverts will be necessary, and proper drainage diversion around the location will be needed. DWR and Grand County attended the on-site. SITLA was invited but chose not to attend.

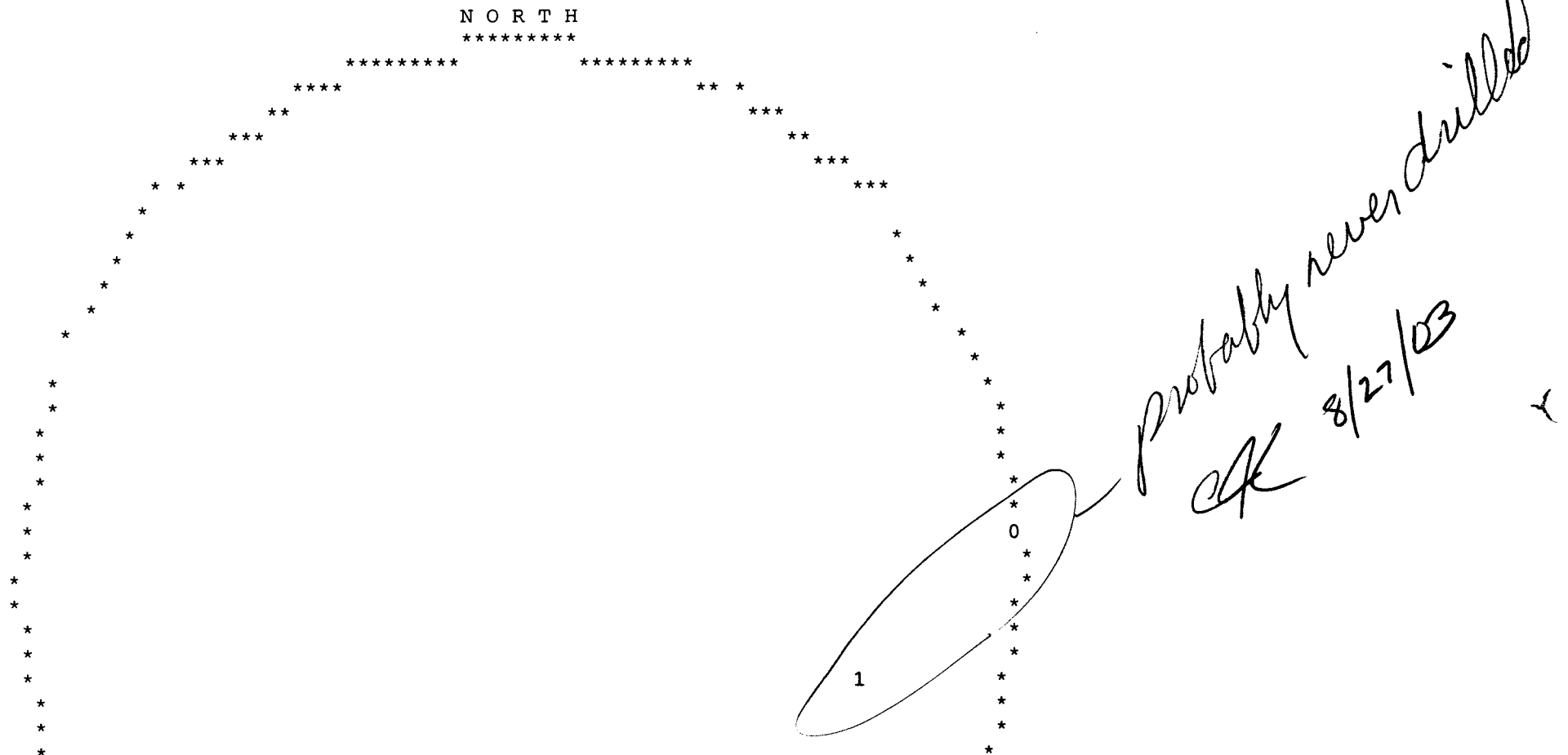
Reviewer: Mark L. Jones **Date:** August 21, 2003

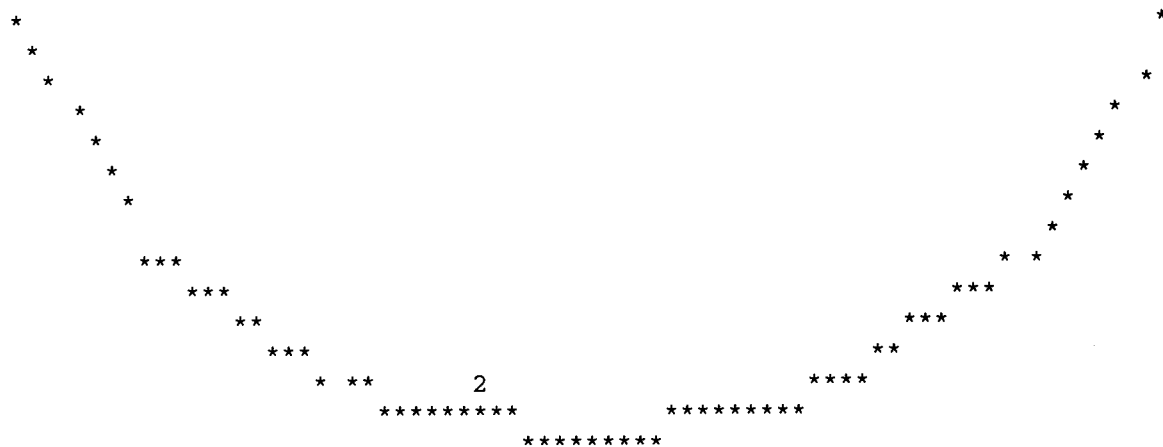
Conditions of Approval/Application for Permit to Drill:

1. Berm the location and pit.
2. Diversion ditches and culverts where necessary to control run-off along access route.
3. Divert all runoff around the location.
4. Fence three sides of the reserve pit while drilling, with the fourth side being fenced as soon as drilling completed.
5. Dust control on location and along access route as necessary.
6. Access route as per BLM right-of-way.
7. Pad layout and construction as per APD unless a change is made in the BLM right-of-way concerning the location and/or fence.

WATER RIGHT POINT OF DIVERSION PLOT CREATED TUE, AUG 26, 2003, 3:13 PM
PLOT SHOWS LOCATION OF 3 POINTS OF DIVERSION

PLOT SCALE IS APPROXIMATELY 1 INCH = 2000 FEET





MAP CHAR	WATER RIGHT	CFS	QUANTITY AND/OR	AC-FT	SOURCE DESCRIPTION DIAMETER	or WELL INFO DEPTH	POINT OF DIVERSION DESCRIPTION YEAR LOG	NORTH	EAST	CNR	SEC	TWN	RNG	B&M	U N P N P	
0	92 330	11.2000	OR	8100.00	16	1500 - 2500		N	600 W	1150	SE 33	21S	19E	SL X	UT 8	
WATER USE(S): DOMESTIC MINING OTHER										PRIORITY DATE: 10/16/1984						
State of Utah School & Institutional Tru 675 East 500 South, 5th Floor										Salt Lake City						
1	92 330	11.2000	OR	8100.00	16	1500 - 2500		S	800 W	2700	NE 4	22S	19E	SL X	UT 8	
WATER USE(S): DOMESTIC MINING OTHER										PRIORITY DATE: 10/16/1984						
State of Utah School & Institutional Tru 675 East 500 South, 5th Floor										Salt Lake City						
2	92 359	.0000		.00	Unnamed Stream Reach											
WATER USE(S): STOCKWATERING OTHER										PRIORITY DATE: 00/00/1875						
USA Bureau of Land Management (Price Fie 125 South 600 West										Price						UT 8

SOLARIS EXPLORATION, CORP.
16800 IMPERIAL VALLEY DR., STE. 380
HOUSTON, TEXAS 77060
281-931-8933 281-931-8655 FAX

FACSIMILE TRANSMITTAL SHEET

TO:

Diana Mason

FROM:

Lynn Faust

COMPANY:

DATE:

8-26-03

FAX NUMBER:

801-359-3940

TOTAL NO. OF PAGES INCLUDING COVER:

6

RE:

YOUR REFERENCE NUMBER:

Roy Way Grant UTV 80497☐ URGENT☐ FOR REVIEW☐ PLEASE COMMENT☐ PLEASE REPLY☐ PLEASE RECYCLE

RECEIVED

AUG 26 2003

DIV. OF OIL, GAS & MINING

FORM 2800-14
(August 1985)

Issuing Office
Moab Field Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
RIGHT-OF-WAY GRANT
SERIAL NUMBER UTU-80497

-
1. A right-of-way is hereby granted pursuant to Title V of the Federal Land Policy and Management Act of October 21, 1976 (90 Stat. 2776; 43 U.S.C. 1761).
 2. Nature of Interest:
 - a. By this instrument, the holder:

Solaris Exploration, Inc.
16800 Imperial Valley Dr., Suite 380
Houston, Texas 77060

receives a right to construct, operate, maintain, and terminate a road on public lands described as follows:

T. 22 S., R. 19 E., SLM;
Section 5, Lot 1, S2NE, N2SE.
 - b. The right-of-way granted herein are a road 30 feet wide (travel way width of 18-20 feet), 7,100 feet long and a portion of a well site 100 feet by 100 feet. The total right-of-way contains 5.12 acres, more or less.
 - c. This instrument shall terminate on December 31, 2033 unless, prior thereto, it is relinquished, abandoned, terminated, or modified pursuant to the terms and conditions of this instrument or of any applicable Federal law or regulation.
 - d. This instrument may be renewed. If renewed, the right-of-way shall be subject to the regulations existing at the time of renewal and any other terms and conditions that the authorized officer deems necessary to protect the public interest.
 - e. Notwithstanding the expiration of this instrument or any renewal thereof, early relinquishment, abandonment, or termination, the provisions of this instrument, to the extent applicable, shall continue in effect and shall be binding on the holder, its successors, or assigns, until they have fully satisfied the obligations and/or liabilities accruing herein before or on account of the expiration, or prior termination, of the grant.

3. **Rental:** As specified in 43 CFR 2803.1-2.

For and in consideration of the rights granted, the holder agrees to pay the Bureau of Land Management fair market value rental as determined by the authorized officer unless specifically exempted from such payment by regulation. Provided, however, that the rental may be adjusted by the authorized officer, whenever necessary, to reflect changes in the fair market rental value as determined by the application of sound business management principles, and so far as practicable and feasible, in accordance with comparable commercial practices.

4. **Terms and Conditions:**

- a. This grant or permit is issued subject to the holder's compliance with all applicable regulations contained in Title 43 Code of Federal Regulations part 2800.
- b. Upon grant termination by the authorized officer, all improvements shall be removed from the public lands within 90 days, or otherwise disposed of as provided in paragraph (4)(d) or as directed by the authorized officer.
- c. Each grant issued for a term of 20 years or more shall, at a minimum, be reviewed by the authorized officer at the end of the 20th year and at regular intervals thereafter not to exceed 10 years. Provided, however, that a right-of-way or permit granted herein may be reviewed at any time deemed necessary by the authorized officer.
- d. The map, Exhibit A, and plan of development, Exhibit B, attached hereto, are incorporated into and made a part of this grant instrument.
- e. Failure of the holder to comply with applicable law or any provision of this right-of-way grant or permit shall constitute grounds for suspension or termination thereof.
- f. The holder shall perform all operations in a good and workmanlike manner so as to ensure protection of the environment and the health and safety of the public.
- g. The holder shall conduct all activities associated with the construction, operation, and termination of the right-of-way within the authorized limits of the right-of-way.
- h. Prior to termination of the right-of-way, the holder shall contact the authorized officer to arrange a pretermination conference. This conference will be held to review the termination provisions of the grant.

IN WITNESS WHEREOF, The undersigned agrees to the terms and conditions of this right-of-way grant.

L. Faust
(Signature of Holder)

(Signature of BLM Authorized Officer)

Vice President
(Title)

(Title)

8-26-03
(Date)

(Effective Date of Grant)

**EXHIBIT B - PLAN OF DEVELOPMENT
RIGHT-OF-WAY UTU-80497
ROAD TO SOLARIS EXPLORATION, INC. WELLS**

I. Location: T. 22 S., R. 19 E., Sec. 5, Lot 1, S2NE, N2SE

II. Road Use and New Construction for Drilling:

1. Approximately 1800 feet of the right-of-way in the N2SE of section 5 is an existing road. The existing road will be used and maintained in its present alignment.
2. Approximately 5300 feet of the right-of-way on BLM will be new construction. Initially the road will be constructed with a flat-bladed travel surface approximately 18-20 feet wide. The road width along hillsides will exceed 35 feet due to cut and fill slopes from road construction.
3. No construction will occur when the soil is too wet to adequately support construction equipment. If such equipment creates ruts in excess of 6 inches deep, construction will cease until the soils dry.
4. Fresh water will be sprayed on the road for dust control during construction and drilling operations.
5. A barbed wire gate will be installed in each fence crossing. The posts next to the gateway will be adequately braced to maintain the existing fence wire tension.
6. If livestock are in the project area during drilling operations, cattle guards will be installed in the fence crossings (including the fence crossing the existing road at the eastern end of the BLM right-of-way, NESE section 5). When a cattle guard is installed, a barbed wire gate will be installed in the fence next to the cattle guard.

III. Road Upgrading For Production Operations:

1. The road will be upgraded and widened as necessary to accommodate production traffic. It is anticipated that an 18-20 feet wide travel surface would be needed for tanker trucks to haul oil from the well sites.
2. Surface disturbance for a typical ditched and crowned roadway on level ground would be approximately 30 feet wide, and surface disturbances along hillsides with cut and fill slopes would be approximately 40-50 feet wide.
3. If tanker trucks are used to transport oil production, cattle guards will be installed where the road crosses the fences (Lot 1 and NESE of section 5).
4. The road will be upgraded to BLM Class III Road Standards. Alternate road upgrading and maintenance standards can be developed between the holder and BLM, as long there are provisions for meeting BLM goals and objectives for drainage and erosion control. Road surfacing with pit-run gravel materials may be required if the road is utilized for yearlong production operations.

IV. Restoration After a Well is Plugged and Abandoned:

1. No reclamation will be required on the 1800 feet of the existing road (N2SE of section 5).
2. The new road construction (approximately 5300 feet) will be reclaimed. Any road surfacing materials utilized on the roadway will be removed prior to surface restoration. The roadway will be recontoured to approximately the original contours of the land. All compacted soils will be scarified.
3. Waterbars will be constructed on all disturbed areas to the spacing and cross sections specified by the authorized officer. Waterbars will be constructed to simulate the imaginary contour lines of the slope.
4. The reclaimed roadway will be seeded with pure live seed (PLS): 4 pounds per acre of fourwing saltbush, 4 pounds per acre of galletta, and 4 pounds per acre of nuttalls saltbush. The seeding will be completed between October 1 and December 15.
5. The fences crossed during the new road construction will be reconstructed to meet or exceed the fence condition prior to road construction.

V. Other Requirements:

1. Solaris will inform all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, work that might further disturb such materials will be halted, and the BLM will be contacted.
2. Solaris will be responsible for weed control on the disturbed areas within the limits of the right-of-way. Solaris will be responsible for consultation with the authorized officer and/or local authorities for acceptable weed control methods (within limits imposed in the grant stipulations).
3. The road right-of-way will be constructed over an existing right-of-way, Material Site Right-of-Way U026214, in T. 22 S., R. 19 E., section 5, N2SE and SWNE. In the event that gravel is excavated from the material site right-of-way in the future and the road is found to interfere with the gravel excavation, Solaris recognizes that it may be necessary to relocate portions of the road, and Solaris will bear the costs of relocating the road.

Well name:

08-03 Solaris State 21-19 #32-16D

Operator: Solaris Exploration Corp.

String type: Surface

Project ID:

43-019-31399

Location: Grand County

Design parameters:**Collapse**Mud weight: 8.400 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 81 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 375 ft

Cement top:

56 ft

* Surface St. p

BurstMax anticipated surface pressure: 0 psi
Internal gradient: 0.468 psi/ft
Calculated BHP 187 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 350 ft

Re subsequent strings:Next setting depth: 4,900 ft
Next mud weight: 9.000 ppg
Next setting BHP: 2,291 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 450 ft
Injection pressure 450 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	400	9.625	36.00	J-55	ST&C	400	400	8.796	3476

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	175	2020	11.58	187	3520	18.83	12.6	394	31.25 J

Prepared by: DKD
Utah Dept. of Natural ResourcesDate: August 28, 2003
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 400 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

08-03 Solaris State 21-19 #32-16D

Operator: Solaris Exploration Corp.

String type: Production

Project ID:

43-019-31399

Location: Grand County

Design parameters:**Collapse**

Mud weight: 9.000 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 141 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 375 ft

Cement top:

1,533 ft

Burst

Max anticipated surface pressure:

0 psi

Internal gradient: 0.468 psi/ft

Calculated BHP 2,198 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.60 (B)

Directional Info - Build & Hold

Kick-off point 2550 ft

Departure at shoe: 633 ft

Maximum dogleg: 3 °/100ft

Inclination at shoe: 19.1 °

Tension is based on buoyed weight.

Neutral point: 4,128 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4801	7	23.00	J-55	LT&C	4700	4801	6.25	25191

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2198	3270	1.49	2198	4360	1.98	93.5	313	3.35 J

Prepared DKD
by: Utah Dept. of Natural ResourcesDate: August 28, 2003
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

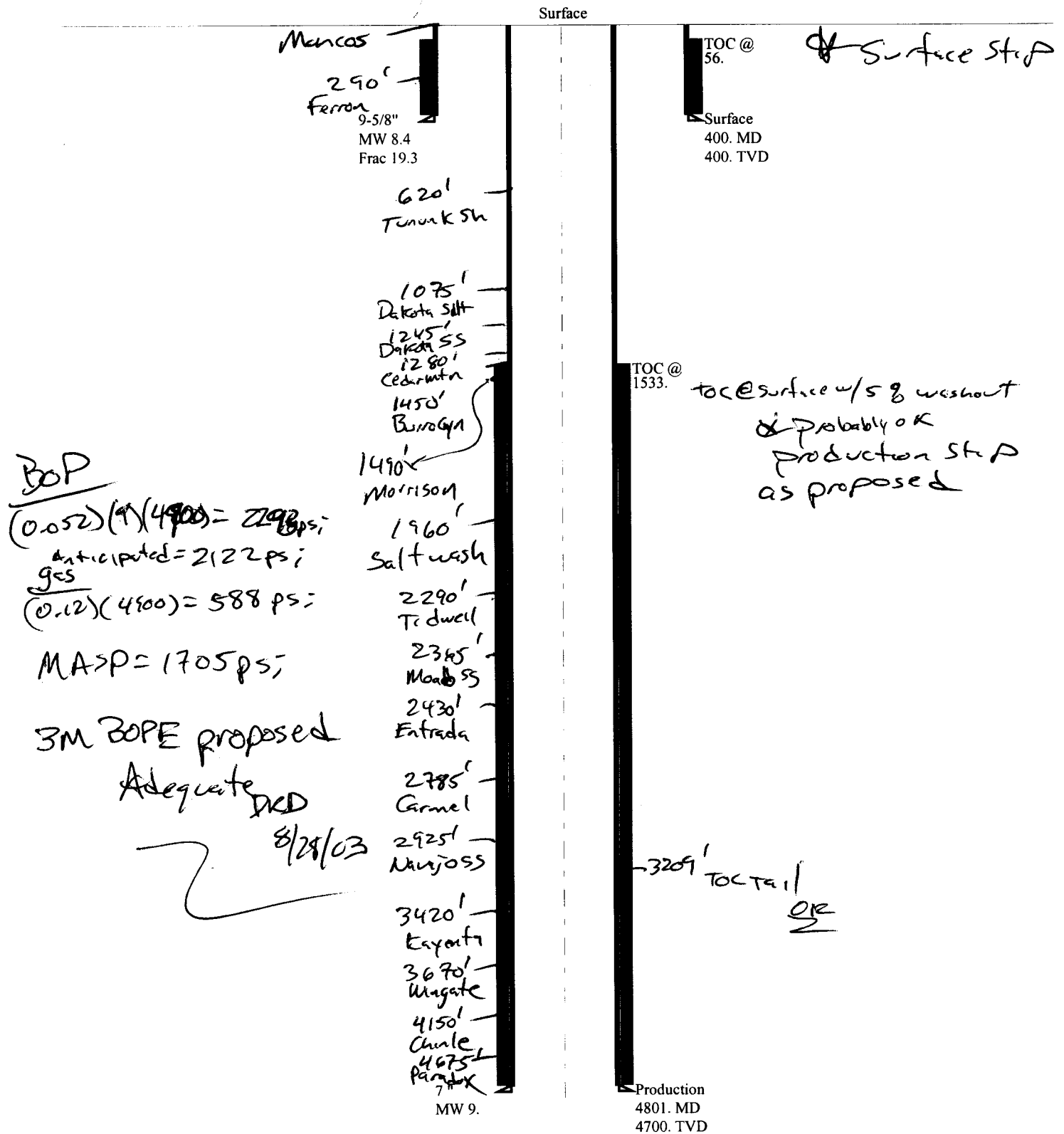
Collapse is based on a vertical depth of 4700 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Casing Schematic





State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director

August 28, 2003

Solaris Exploration, Inc.
16800 Imperial Valley Dr., Ste 380
Houston, TX 77060

Re: State 21-19 #32-16D Well, 122' FSL, 994' FEL, SE SE, Sec. 32, T. 21 South, R. 19 East,
Bottom Location 660' FSL, 660' FEL, SE SE, Sec. 32, T. 21 South, R. 19 East,
Grand County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-019-31399.

Sincerely,

for

John R. Baza
Associate Director

pab
Enclosures

cc: Grand County Assessor
SITLA

Operator: Solaris Exploration, Inc.
Well Name & Number State 21-19 #32-16D
API Number: 43-019-31399
Lease: ML-47441

Location: SE SE Sec. 32 T. 21 South R. 19 East
Bottom Location: SE SE Sec. 32 T. 21 South R. 19 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
5. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
8. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.
9. Surface casing shall be cemented to the surface.
10. If drilling is not completed by 12/31/03, Solaris will need to get a new water permit.
11. Production casing cement strip (as proposed to $\pm 400'$)

SOLARIS EXPLORATION, CORP.
16800 IMPERIAL VALLEY DR., STE. 380
HOUSTON, TEXAS 77060
281-931-8933 281-931-8655 FAX

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
<i>Dustin Dancet</i>	Lynn Faust
COMPANY:	DATE:
	<i>8-28-03</i>
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
<i>801-359-3940</i>	<i>6</i>
RE:	YOUR REFERENCE NUMBER:
<i>Well Planning Report St 21-19</i>	<i>#32-16D</i>
<input type="checkbox"/> URGENT <input type="checkbox"/> FOR REVIEW <input type="checkbox"/> PLEASE COMMENT <input type="checkbox"/> PLEASE REPLY <input type="checkbox"/> PLEASE RECYCLE	

RECEIVED

AUG 28 2003

DIV. OF OIL, GAS & MINING

Aug 28 03 03:06p

Reliant Exploration, Ltd. 281-931-8655

p.2

AUG-28-03

02:51PM

FROM-P P

713-484-3388

T-483

P 001/005

F-711

**WELL PLANNING
REPORT**

SOLARIS EXPLORATION

STATE 21-19 #32-16D

8/28/03

AUG-28-03 02:51PM FROM P P

713-464-9368

Y-463 P 002/005 F-711

WELL PROFILE DATA

SOLARIS EXPLORATION
STATE 21-19 #32-16D

8/28/03

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE (Ft)	DEPARTURE (Ft)	VERTICAL SECTION	DOG LEG
2000.00	0.000	0.000	2000.00	0.00	0.00	0.00	
2485.03	0.000	0.000	2485.03	0.00	0.00	0.00	0.000
2500.00	0.000	31.833	2500.00	0.30 N	0.19 E	0.36	
2600.00	2.899	31.833	2600.00	3.12 N	1.93 E	3.67	
2700.00	4.899	31.833	2699.70	8.69 N	6.62 E	10.47	
2800.00	6.899	31.833	2799.17	17.62 N	10.84 E	20.74	
2900.00	8.899	31.833	2898.21	29.30 N	18.19 E	34.48	
3000.00	10.899	31.833	2998.72	43.91 N	27.26 E	51.68	
3100.00	12.899	31.833	3094.57	61.42 N	38.13 E	72.30	
3200.00	14.899	31.833	3191.83	81.83 N	50.80 E	98.32	
3300.00	16.899	31.833	3287.80	105.10 N	65.25 E	123.71	
3400.00	18.899	31.833	3382.98	131.21 N	81.45 E	154.44	
3458.03	20.000	31.833	3434.85	148.78 N	91.13 E	172.77	2.000
4000.00	20.000	31.833	3848.85	305.14 N	186.43 E	369.16	
4801.38	20.000	31.833	4700.00	538.00 N	334.00 E	633.25	0.000

The Dogleg Severity is in Degrees per 100.00 Feet
Vertical Section was calculated along an Azimuth of 31.833° (Grid)

Based upon Minimum Curvature type calculations. At a Measured Depth of 4801.38 Feet,
the Bottom Hole Displacement is 633.25 Feet, in the Direction of 31.833° (Grid)

Aug 28 03 03:06p

Reliant Exploration, Ltd.

281-931-8655

p. 4

AUG-28-03 02:51PM FROM-P P

713-464-3368

T-463 P 003/005 F-711

WELL PROFILE DATA

SOLARIS EXPLORATION
STATE 21-10 #32-16D

8/28/03

TARGET INFORMATION

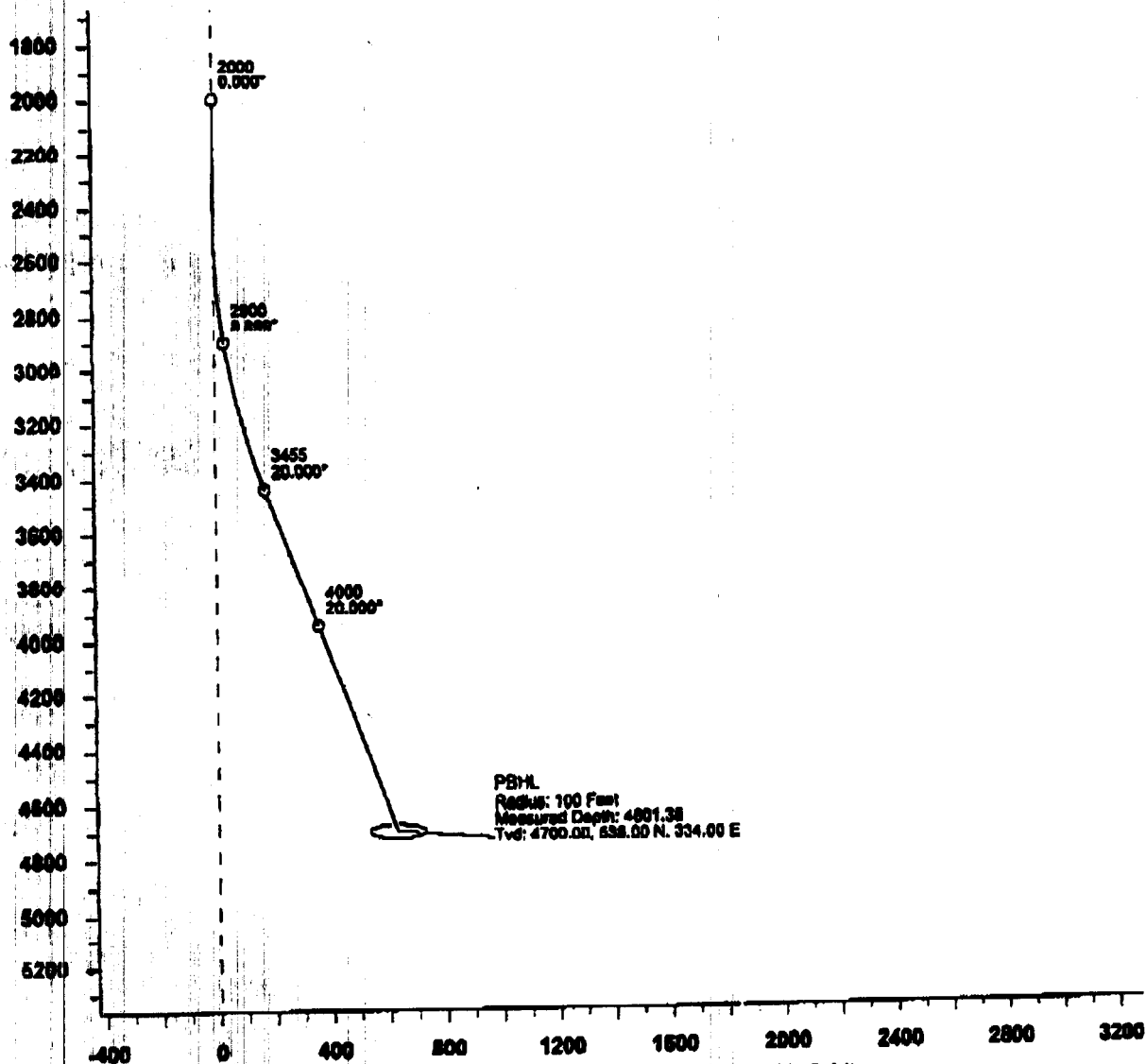
TARGET NUMBER	VERTICAL DEPTH	LATITUDE (PL)	DEPARTURE (PL)	VERTICAL SECTION	TARGET RADIUS	
1	4700.00	538.00 N	334.00 E	833.25	100.00	PBHL

Vertical Section Direction = 31.833° (Grid)

VERTICAL SECTION

SOLARIS EXPLORATION
STATE 21-19 432-160

8/28/03

VERTICAL
DEPTHVERTICAL SECTION - Direction: 31.833° (Grid)
Depths shown on plot are Measured Depths.
All measurements are in Feet.

AUG-28-03 02:52PM FROM-P P

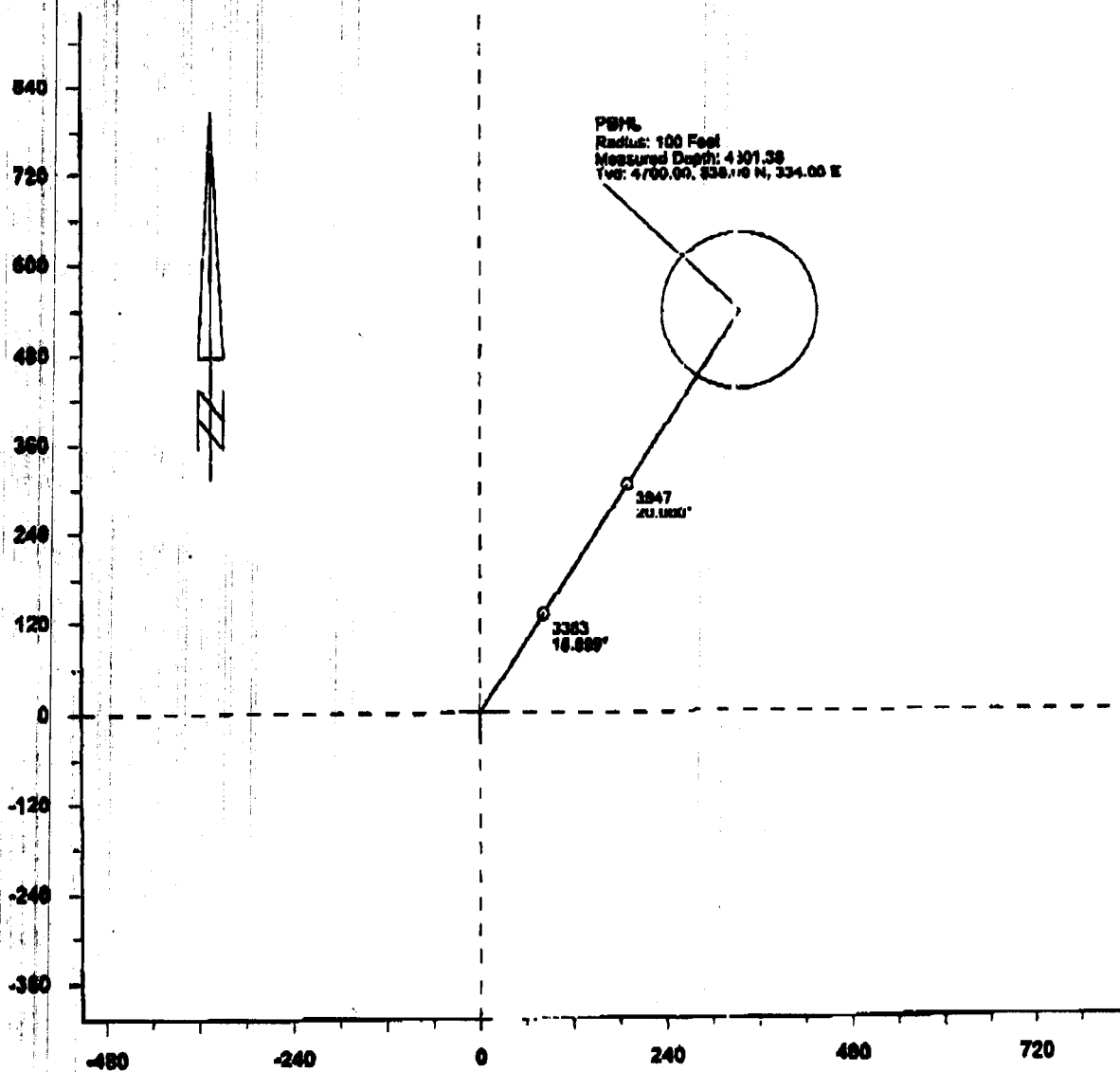
713-484-3356

T-463 P 005/005 F-711

HORIZONTAL SECTION

SOLARIS EXPLORATION
STATE 21-19 #32-16D

8/28/03

LATITUDE
VALUESDEPARTURE VALUES
Depths shown on plot are Vertical Depths.
All measurements are in Feet

SOLARIS EXPLORATION, CORP.
16800 IMPERIAL VALLEY DR., STE. 380
HOUSTON, TEXAS 77060
281-931-8933 281-931-8655 FAX

FACSIMILE TRANSMITTAL SHEET

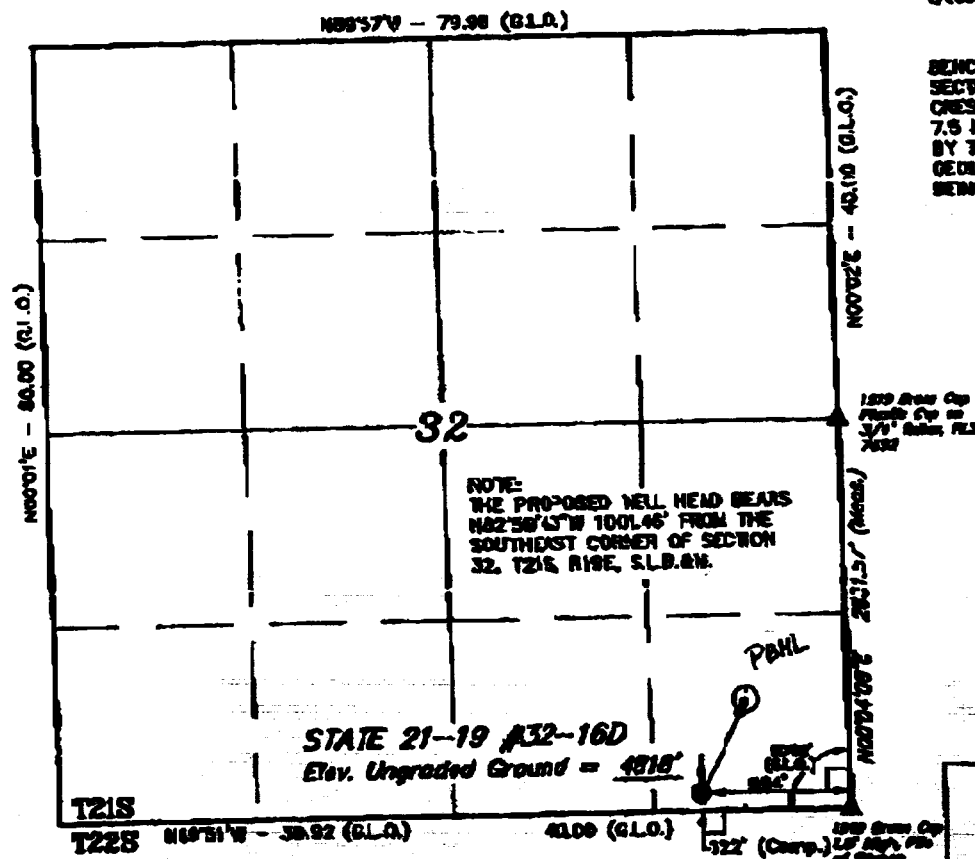
TO:	<i>Dustin Dancet</i>	FROM:	<i>Lynn Faust</i>
COMPANY:	<i>Div of UTAH oil & Gas</i>	DATE:	<i>8-28-03</i>
FAX NUMBER:	<i>801-359 3940</i>	TOTAL NO. OF PAGES INCLUDING COVER:	<i>2</i>
RE:	<i>801-538-5281</i>	YOUR REFERENCE NUMBER:	

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

Directional Survey
After receiving pls call
Lynn

RECEIVED
AUG 28 2003
DIV. OF OIL, GAS & MINING

SCALE 1" = 1000'	DATE RECEIVED 05-18-83	DATE FORWARDED 05-22-83
PART S.H. D.B. D.R.D.	REFERENCE B.L.O. PLAT	
REMARKS WARN	FILE 50-ARS EXPLORATION, INC.	



LEGEND:

- L - DE SYMBOL
 ● - PROPOSED WELL HEAD.
 ▲ - SECTION CORNERS LOCATED.

BASIS OF BEARINGS

BASIS OF BEARNES IS A G.P.S. DIRECTION

(AUTONOMOUS NAD 83)

LATITUDE = 38°56'08.47" (38.935586)

LONGITUDE = 109°50'15.04" (109.837511)

SOLARIS EXPLORATION, CORP.
16800 IMPERIAL VALLEY DR., STE. 380
HOUSTON, TEXAS 77060
281-931-8933 281-931-8655 FAX

FACSIMILE TRANSMITTAL SHEET

TO:

Diana Mason

FROM:

Lynn Faust

COMPANY:

State of Utah

DATE:

8/29/2003

FAX NUMBER:

801-639-3940

TOTAL NO. OF PAGES INCLUDING COVER:

RE:

YOUR REFERENCE NUMBER:

Re: Application to Drill

☐ URGENT

☐ FOR REVIEW

☐ PLEASE COMMENT

☐ PLEASE REPLY

☐ PLEASE RECYCLE

Diana,

Please find Solaris' new Application for Solaris State 21-19 #19-16. Designation of Operator to follow.

Call with any questions.

Thanks,

Lynn

RECEIVED
AUG 29 2003
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		3. MINERAL LEASE NO: USA UTU-76491	4. SURFACE: FEE
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
8. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <u>Directional</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CO AGREEMENT NAME:	
2. NAME OF OPERATOR: Solaris Exploration, Inc.		9. WELL NAME and NUMBER: State 21-19 # 19-16	
3. ADDRESS OF OPERATOR: <u>Ste. 250</u> 16800 Imperial Valley Dr Houston TX 77060		PHONE NUMBER: (281) 931-8933	10. FIELD AND POOL, OR WILDCAT: Undesignated
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 660 FSL, 660 FEL AT PROPOSED PRODUCING ZONE: BHL 660 FSL, 660 FEL, C SE SE Sec. 19, T21S, R19E		11. QUARTER, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW SE SE Sec. 19, T21S, R19E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:		12. COUNTY: Grand	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 660'	16. NUMBER OF ACRES IN LEASE: 1520.80	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH: 4,900	20. BOND DESCRIPTION: Bond Applied For	
21. ELEVATIONS (SHOW WHETHER OF, RT, OR, ETC.): 5087' GR	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION: 30 days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4"	9 5/8" J-55 36#	400	185 Sx Class "G", 1.18 CFS 15.2 PPG
8 3/4"	7" J-55 23#	4,900	Lead 125 Sx Blend, 3.82 CFS, 11.0 ppg. Tall 375 SX
			50/50 pox, 1.21 CFS 14.4 ppg

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|---|
| <input checked="" type="checkbox"/> WELL PLAN OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input checked="" type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Lynn Faust - 281-931-8933 TITLE Vice President, Solaris Exploration, Corp.

SIGNATURE L Faust DATE 8-28-03

(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____

(11/2001)

(See Instructions on Reverse Side)

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AUG 29 2003

DIV. OF OIL, GAS & MINING

T21S, R19E, S.L.B.&M.

N89°59'E - 95.07 (G.L.O.)

SOLARIS EXPLORATION, INC.

Well location, FEDERAL 21-19 #19-16, located as shown in the SE 1/4 SE 1/4 of Section 19, T21S, R19E, S.L.B.&M. Grand County, Utah.

BASIS OF ELEVATION

BENCH MARK BRENDEN 61 LOCATED IN THE NW 1/4 OF SECTION 34, T21S, R19E, S.L.B.&M. TAKEN FROM THE CRESCENT JUNCTION QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS STAMPED AS BEING 4898 FEET.

NOTE:
THE PROPOSED WELL HEAD BEARS
N44°57'07"W 933.84' FROM THE
SOUTHEAST CORNER OF SECTION
19, T21S, R19E, S.L.B.&M.

19

1919 Brass Cap
1.0' High, Stakes



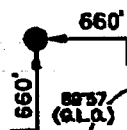
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert H. King
REGISTERED LAND SURVEYOR
REGISTRATION NO. 11111
STATE OF UTAH

1919 Brass Cap
Flush w/ Ground

FEDERAL 21-19 #19-16
Elev. Ungraded Ground = 5087'



S89°55'E - 55.01 (G.L.O.)

40.00 (G.L.O.)

LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)
LATITUDE = 38°57'58.11" (38.966142)
LONGITUDE = 109°51'17.51" (109.854864)

UTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-19-03	DATE DRAWN: 05-22-03
PARTY B.B. R.D. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE SOLARIS EXPLORATION, INC.	

P.3
Reliant Exploration, Ltd. 281-931-8655
Aug 28 03 05:37p

SOLARIS EXPLORATION, INC.

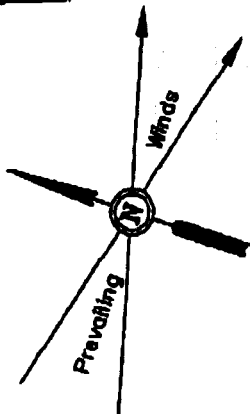
LOCATION LAYOUT FOR

FEDERAL 21-19 #19-16

SECTION 19, T21S, R19E, S.L.B.&M.

660' FSL 660' FEL

FIGURE #1



SCALE: 1" = 50'
DATE: 05-22-03
Drawn By: D.R.B.

NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.

NOTE:

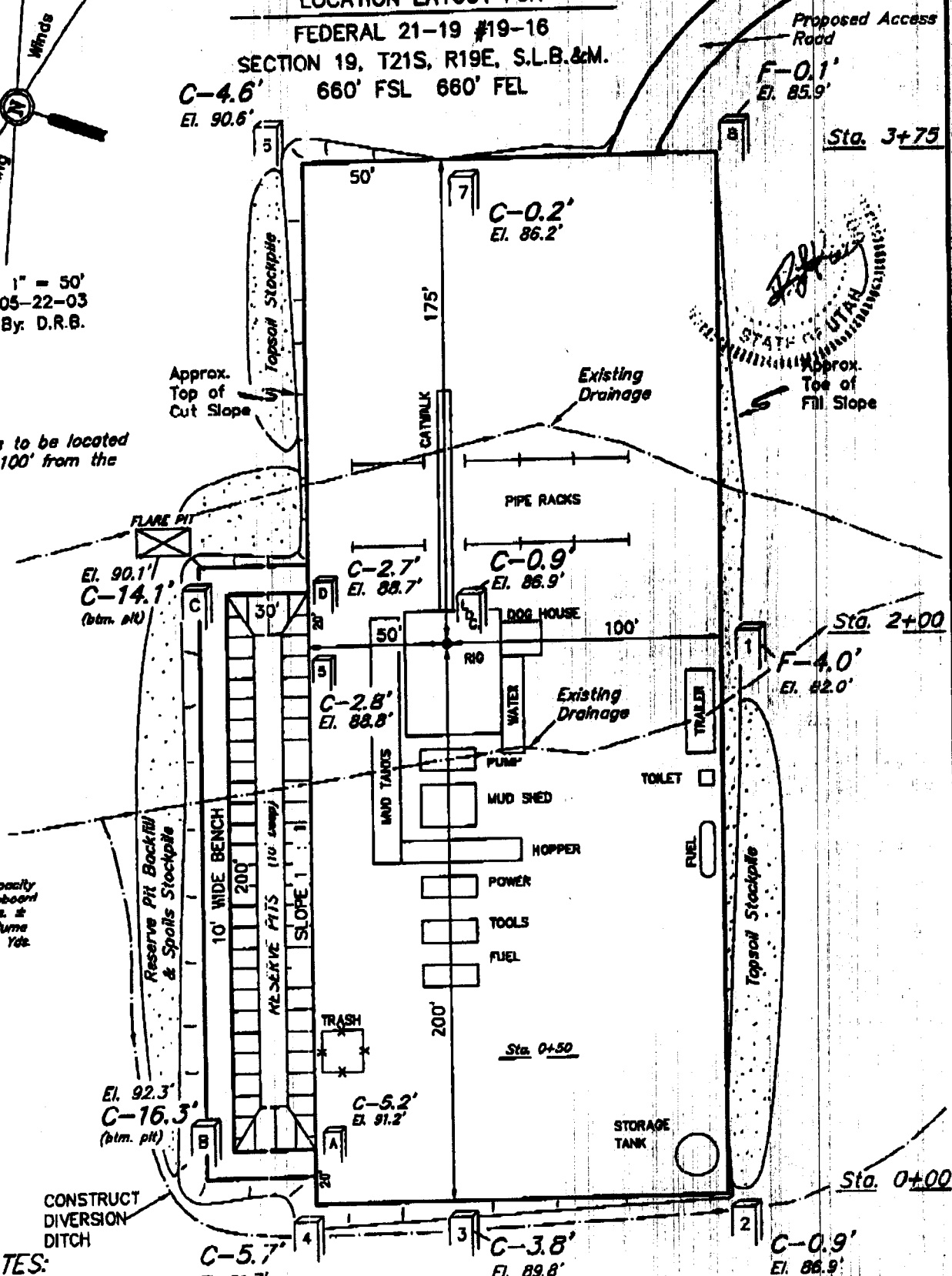
Total Pit Capacity
1/2" of Freeboard
= 4,710 Bbls. ±
Total Pit Volume
= 1,390 Cu. Yds.

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5086.9'

FINISHED GRADE ELEV. AT LOC. STAKE = 5086.0'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



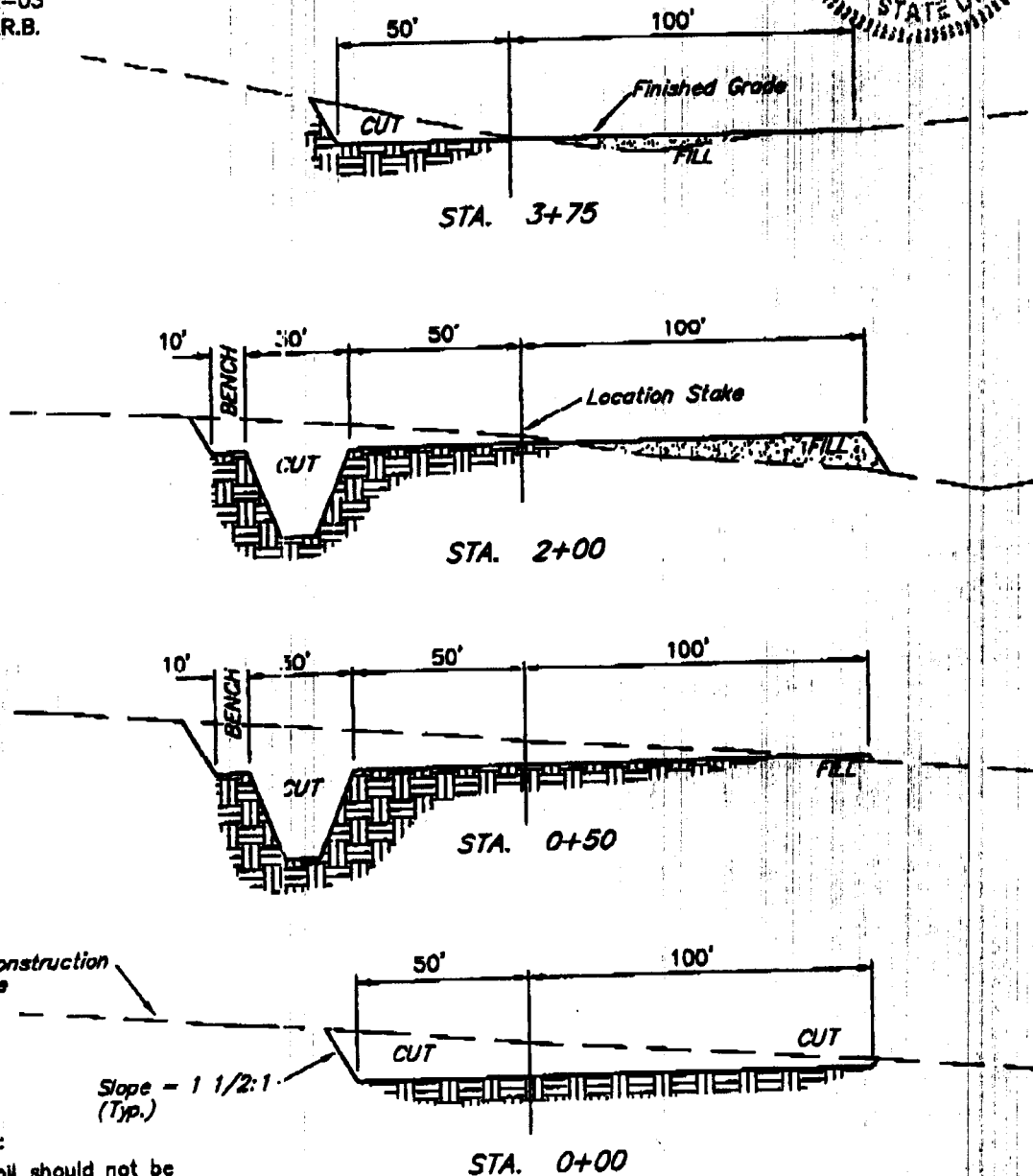
SOLARIS EXPLORATION, INC.

FIGURE #2

TYPICAL CROSS SECTIONS FOR
FEDERAL 21-19 #19-16
SECTION 19, T21S, R19E, S.L.B.&M.
660' FSL 660' FEL

X-Section
Scale
1" = 20'
1" = 50'

DATE: 05-22-03
Drawn By: D.R.B.



NOTE:

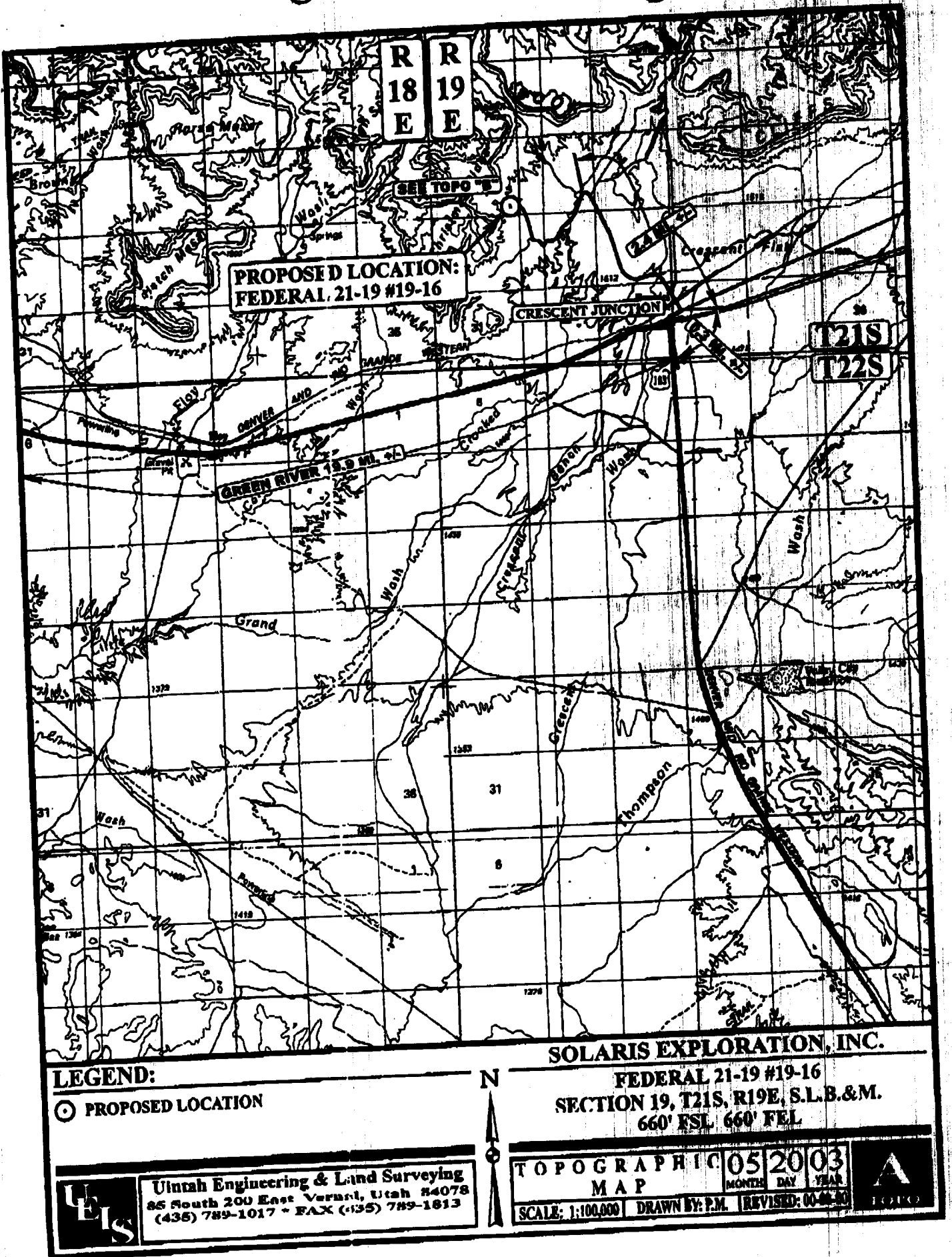
Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,200 Cu. Yds.
Remaining Location	= 4,440 Cu. Yds.
TOTAL CUT	= 5,640 CU.YDS.
FILL	= 2,550 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,960 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,890 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 1,070 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Pocatello, Utah 83401 • (435) 789-1017



Tom
COLLINS

SOLARIS EXPLORATION, CORP.
16800 IMPERIAL VALLEY DR., STE. 380
HOUSTON, TEXAS 77060
281-931-8933 281-931-8655 FAX

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Diana Mason	Lynn Faust
COMPANY:	DATE:
State of Utah	8/29/2003
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
801-639-3940	

RE:	YOUR REFERENCE NUMBER:
Re: Application to Drill	

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

Diana,

Please find Solaris' new Application for Solaris State 21-19 #19-16. Designation of Operator to follow.

Call with any questions.

Thanks,

Lynn

RECEIVED
SEP 02 2003
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO:	6. SURFACE:
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				USA UT 71491	FEF
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: <u>Directional</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
2. NAME OF OPERATOR: Solaris Exploration, Inc.				8. UNIT or CA AGREEMENT NAME:	
3. ADDRESS OF OPERATOR: <u>Sta 380</u> 16800 Imperial Valley Dr. Houston TX 77060				9. WELL NAME and NUMBER: State 21-19 # 19-16	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 660 FSL, 660 FEL AT PROPOSED PRODUCING ZONE: BHL 660 FSL, 660 FEL, C SE SE Sec. 19, T21S, R19E				10. FIELD AND POOL, OR WILDCAT: Undesignated	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <u>Approx. 2 miles west of Crescent Junction, Utah</u>				11. QTRNGTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW SE SE Sec. 19, T21S, R19E	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 660'		16. NUMBER OF ACRES IN LEASE: 1520.80		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)		19. PROPOSED DEPTH: 4,900		20. BOND DESCRIPTION: Bond Applied For	
21. ELEVATIONS (SHOW WHETHER DP, RT, GR, ETC.): 5087' GK		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION: 30 days	

24. PROPOSED CASING AND CEMENTING PROGRAM						
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4"	9 5/8" J-55 36#	400	185 Sx Class "G",	1.18 CFS	15.2 PPG	
8 3/4"	7" J-55 23#	4,900	Lead 125 Sx Blend,	3.82 CFS,	11.0 ppg,	Tail 375 SX
			50/50 pox, 1.21 CFS	14.4 ppg		

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input checked="" type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Lynn Faust - 281-931-8933 TITLE Vice President, Solaris Exploration, Corp.

SIGNATURE L Faust DATE 8-28-03

(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____

(11/2001)

(See Instructions on Reverse Side)

RECEIVED
SEP 02 2003
DIV. OF OIL, GAS & MINING

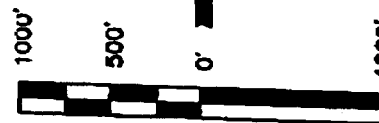
T21S, R19E, S.L.B.&M.

SOLARIS EXPLORATION, INC.

Well location, FEDERAL 21-19 #19-16, located as shown in the SE 1/4 SE 1/4 of Section 19, T21S, R19E, S.L.B.&M. Grand County, Utah.

BASIS OF ELEVATION

BENCH MARK BRENDEN 61 LOCATED IN THE NW 1/4 OF SECTION 34, T21S, R19E, S.L.B.&M. TAKEN FROM THE CRESCENT JUNCTION QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS STAMPED AS BEING 4898 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

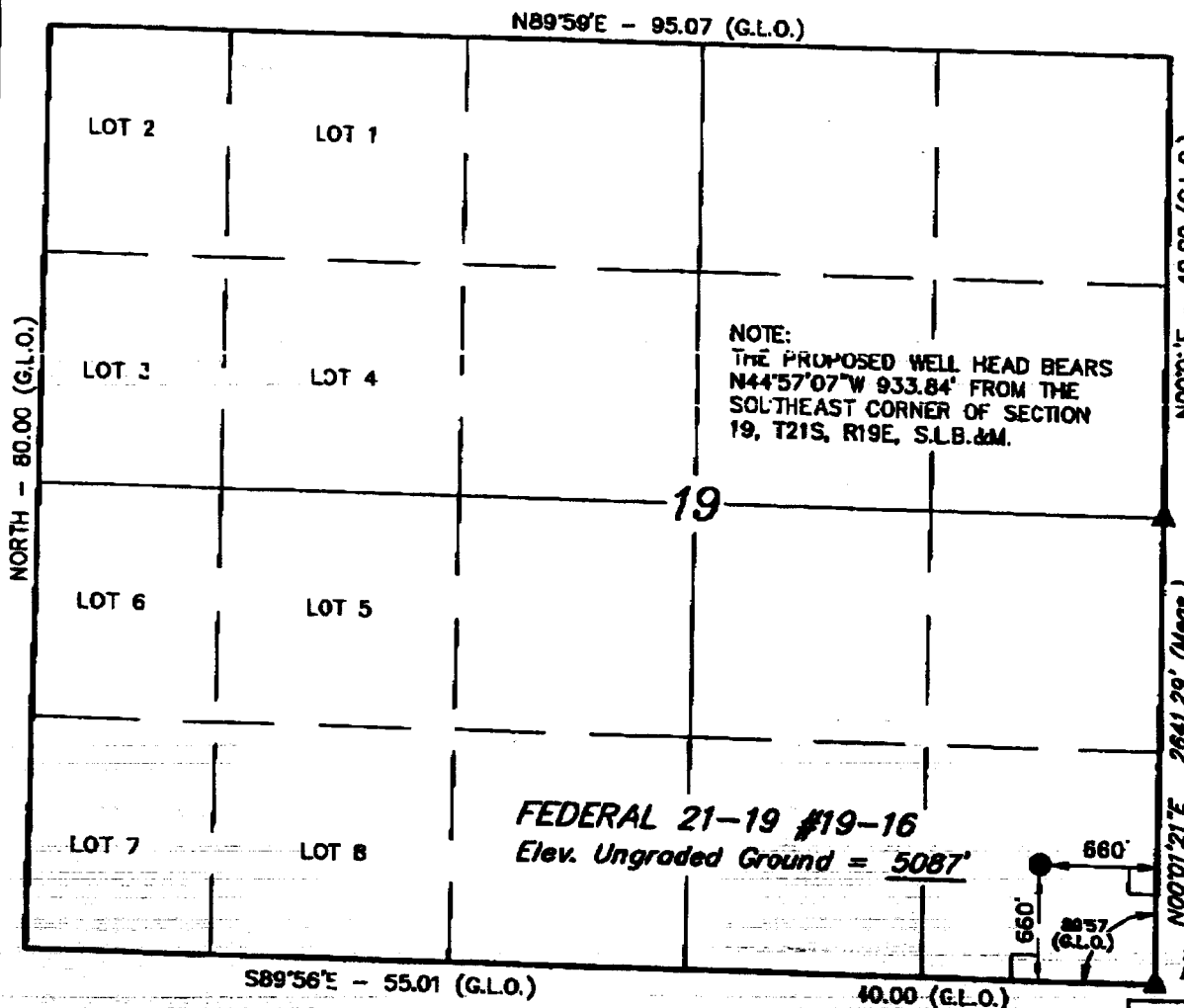
[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO. 16818
STATE OF UTAH

1919 Brass Cap
1.0' High, Stones

1919 Brass Cap
Flux w/ Ground

NOTE:
THE PROPOSED WELL HEAD BEARS
N44°57'07"W 933.84' FROM THE
SOUTHEAST CORNER OF SECTION
19, T21S, R19E, S.L.B.&M.

FEDERAL 21-19 #19-16
Elev. Ungraded Ground = 5087'



LEGEND:

- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.
(AUTONOMOUS NAD 83)
LATITUDE = 38°57'58.11" (38.966142)
LONGITUDE = 109°51'17.51" (109.854864)

UTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-19-03	DATE DRAWN: 05-22-03
PARTY B.B. R.D. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE SOLARIS EXPLORATION, INC.	

SOLARIS EXPLORATION, INC.

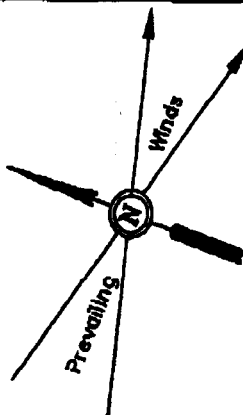
LOCATION LAYOUT FOR

FEDERAL 21-19 #19-16

SECTION 19, T21S, R19E, S.L.B.&M.

660' FSL 660' FEL

FIGURE #1



SCALE: 1" = 50'
DATE: 05-22-03
Drawn By: D.R.B.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

NOTE:

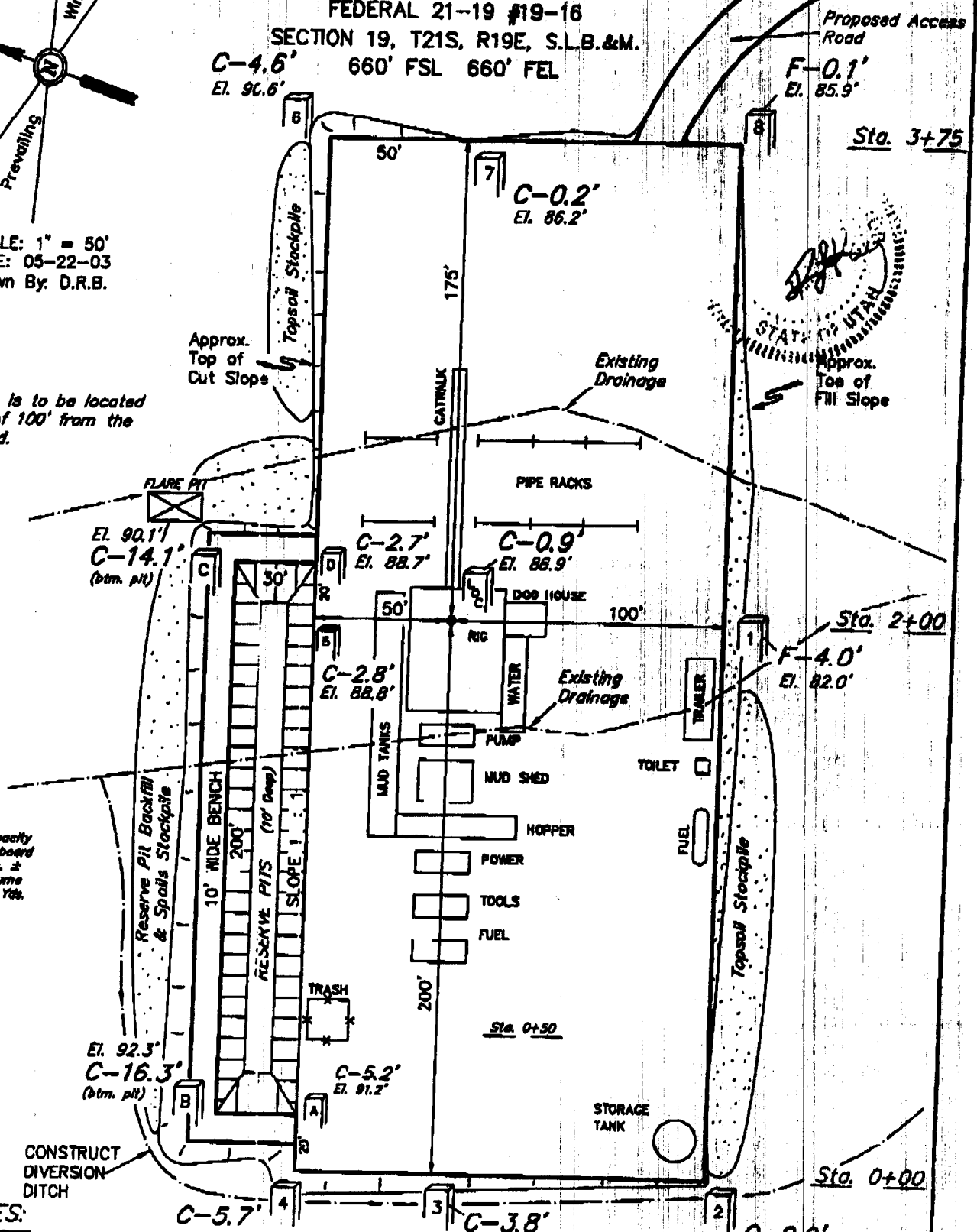
Total Pit Capacity
W/2' of Freeboard
= 4,710 Bbls. ±
Total Pit Volume
= 1,390 Cu. Yds.

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5086.9'

FINISHED GRADE ELEV. AT LOC. STAKE = 5086.0'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 788-1017



SOLARIS EXPLORATION, INC.

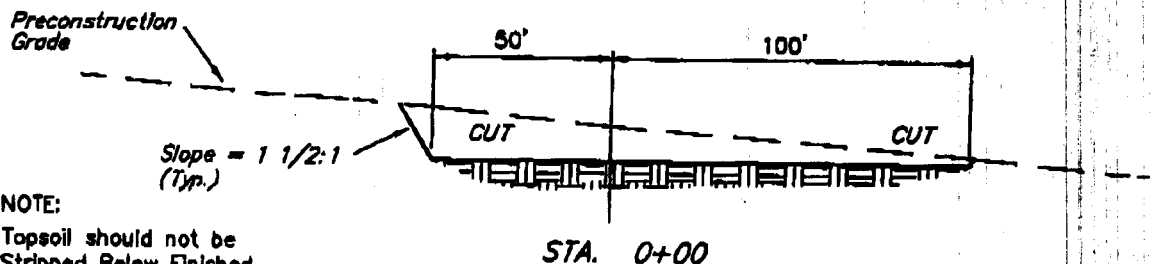
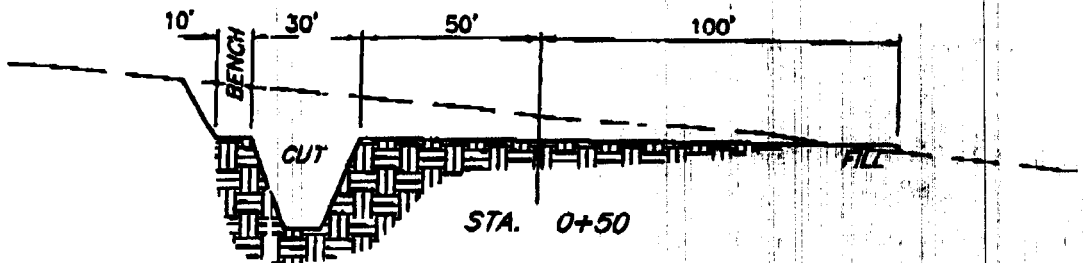
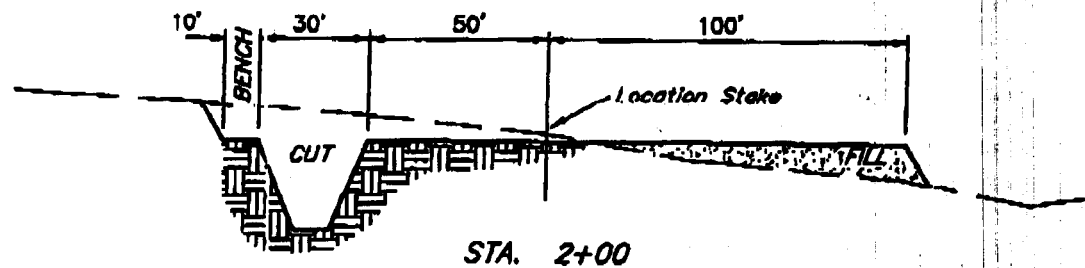
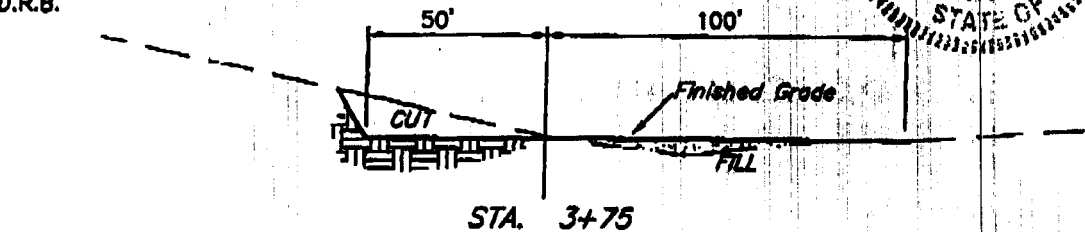
TYPICAL CROSS SECTIONS FOR

FEDERAL 21-19 #19-16
SECTION 19, T21S, R19E, S.L.B.&M.
660' FSL 660' FEL

FIGURE #2

1" = 20'
X-Section
Scale
1" = 50'

DATE: 05-22-03
Drawn By: D.R.B.



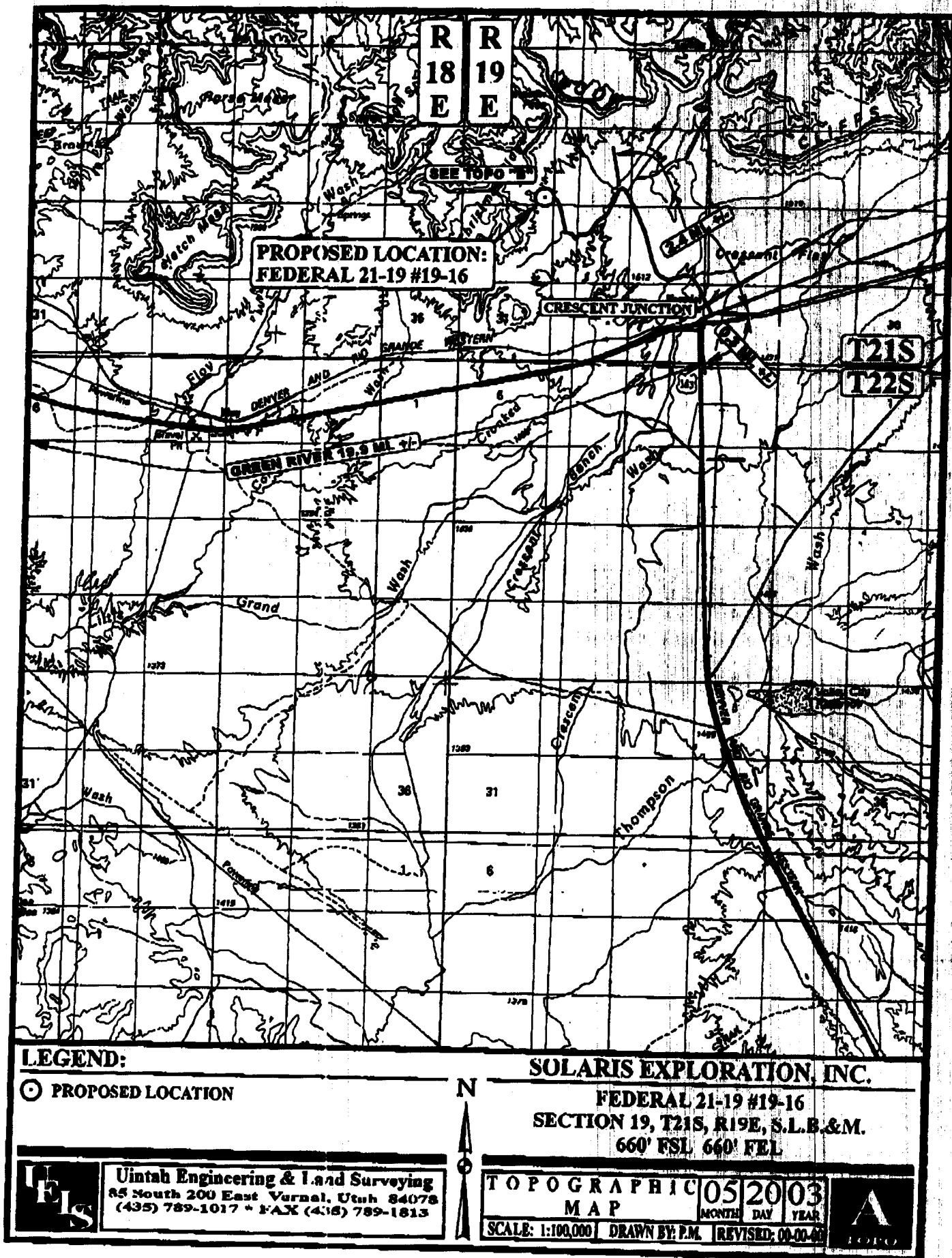
NOTE:
Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,200 Cu. Yds.
Remaining Location = 4,440 Cu. Yds.
TOTAL CUT = 5,640 CU.YDS.
FILL = 2,550 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 2,960 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Vol.) = 1,890 Cu. Yds.
EXCESS UNBALANCE
(After Rehabilitation) = 1,070 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 788-1011



Date **09/11/2003** Signed: **CHD**

006

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Solaris Exploration Corp. Operator Account Number: N 2230Address: 11800 Imperial Valley Dr. Ste 380
city Houston
state Texas zip 77060Phone Number: 281-931-8933

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
42-019-31399	Solaris State 21-19 #32-16D		SUSSES	32	21S	19E	GRAND
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	13903	9-10-03		9/29/03		
Comments: <u>WINGT</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Winn Faust
Name (Please Print)
Winn Faust
Signature
VP
Title
9-23-03
Date

(5/2000)

RECEIVED

SEP 23 2003

DIV. OF OIL, GAS & MINING

e

SOLARIS EXPLORATION, CORP.
16800 IMPERIAL VALLEY DR., STE. 380
HOUSTON, TEXAS 77060
281-931-8933 281-931-8655 FAX

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
<i>Carol Daniels</i>	Lynn Faust
COMPANY:	DATE:
<i>OGM</i>	<i>3-30-04</i>
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
<i>801 359 3940</i>	<i>3</i>
RE:	YOUR REFERENCE NUMBER:
<i>Well Completion</i>	
<input type="checkbox"/> URGENT <input checked="" type="checkbox"/> FOR REVIEW <input type="checkbox"/> PLEASE COMMENT <input type="checkbox"/> PLEASE REPLY <input type="checkbox"/> PLEASE RECYCLE	

RECEIVED

MAR 30 2004

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

<div>1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/></div> <div>1b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATE. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DEPT. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/></div> <div>2. NAME OF OPERATOR: Solaris Exploration, Inc.</div> <div>3. ADDRESS OF OPERATOR: 11-800 Imperial Valley Dr. - Ste 280 Houston TX 77060</div> <div>4. LOCATION OF WELL (FOOTAGES): AT SURFACE: 128 FSL, 994 FEL, 12528 AT TOP PRODUING INTERVAL REPORTED BELOW: AT TOTAL DEPTH: 0556 FSL 0699 FEL / in survey / DKD</div> <div>14. DATE SPUDDED: 9-10-03 15. DATE 1.11. REACHED: 9-26-03 16. DATE COMPLETED: 9-26-03 ABANDONED <input checked="" type="checkbox"/> READY TO PRODUCE <input type="checkbox"/></div> <div>18. TOTAL DEPTH: MD 4054 19. PLUG BACK T.D.: MD 4003 TVD 4088 20. IF MULTIPLE COMPLETIONS, HOW MANY? 5</div> <div>21. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) PE / COMBINED PRINT, PE / HARS MD IMAGER / GR FMZ, DSIM</div> <div>22. TYPE OF WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)</div> <div>23. CASING AND LINER RECORD (Report all strings set in well)</div> <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>PIPE SIZE</th><th>SIZE/GRADE</th><th>WEIGHT (LBS)</th><th>TOP (MD)</th><th>BOTTOM (MD)</th><th>STAGE CEMENTER DEPTH</th><th>CEMENT TYPE & NO. 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PRODUCING INTERVALS</div> <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>FORMATION NAME</th><th>TOP (MD)</th><th>BOTTOM (MD)</th><th>TOP (TVD)</th><th>BOTTOM (TVD)</th></tr></thead><tbody><tr><td>(A)</td><td> </td><td> </td><td> </td><td> </td></tr><tr><td>(B)</td><td> </td><td> </td><td> </td><td> </td></tr><tr><td>(C)</td><td> </td><td> </td><td> </td><td> </td></tr><tr><td>(D)</td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> <div>26. PERFORATION RECORD</div> <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>INTERVAL (Top/Bot - MD)</th><th>SIZE</th><th>NO. HOLES</th><th>PERFORATION STATUS</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td>Open <input type="checkbox"/> Squeezed <input type="checkbox"/></td></tr><tr><td> </td><td> </td><td> </td><td>Open <input type="checkbox"/> Squeezed <input type="checkbox"/></td></tr><tr><td> </td><td> </td><td> </td><td>Open <input type="checkbox"/> Squeezed <input type="checkbox"/></td></tr><tr><td> </td><td> </td><td> </td><td>Open <input type="checkbox"/> Squeezed <input type="checkbox"/></td></tr></tbody></table> <div>27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.</div> <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>DEPTH INTERVAL</th><th>AMOUNT AND TYPE OF MATERIAL</th></tr></thead><tbody><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></tbody></table> <div>28. ENCLOSED ATTACHMENTS:</div> <div>29. WELL STATUS:</div> <div><div><input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS</div><div><input type="checkbox"/> GEOLOGIC REPORT</div><div><input type="checkbox"/> DST REPORT</div><div><input type="checkbox"/> DIRECTIONAL SURVEY</div><div><input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION</div><div><input type="checkbox"/> CORE ANALYSIS</div><div><input type="checkbox"/> OTHER: <input type="checkbox"/></div></div>		PIPE SIZE	SIZE/GRADE	WEIGHT (LBS)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. 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(5/2000)

(CONTINUED ON BACK)

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MAR 30 2004

DIV. OF OIL, GAS & MINING

2 • d

Reliant Exploration, Ltd. 281-931-8655

Mar 30 04 12:21 PM

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item 22)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL B (As shown in Item 22)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item 22)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item 22)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Ventured, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers)

Show all important zones of porosity and contents thereof. Cased hole events and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recovered.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

This well is temporarily Abandoned - No production

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Lynn EastTITLE VPSIGNATURE L. EastDATE 3-30-04

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3840

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MAR 30 2004

DIV. OF OIL, GAS & MINING

(5/2000)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS PROGRAM

PHONE CONVERSATION DOCUMENTATION FORM

☐ Copy? ☐

Conversation Pertains to:

☒ **WELL** STATE 21-19 (32-16D)

☐ **OTHER**

Section 32 Township 21S Range 19E

API Number 43-019-31399

Topic of Conversation: DIRECTIONAL SURVEY RUN ON WELL NOT SENT IN WITH WCR

Date of Phone Call: 4/5/2004

Time: 2:00 pm

DOGM Employee (name): CAROL DANIELS

☐ Initiated Call? ☒

Spoke with:

Name: LYNN FAUST

☐ Initiated Call? ☐

Of (company/organization): SOLARIS EXPLORATION CORP Phone: (281) 931-8933

Highlights of Conversation:

LYNN FAUST IS GOING TO SEND IN THE DIRECTIONAL SURVEY.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS PROGRAM

PHONE CONVERSATION DOCUMENTATION FORM

☐ Copy? ☐

Conversation Pertains to:

☒ **WELL** STATE 21-19 (32-16D)

☐ **OTHER**

Section 32 Township 21S Range 19E

API Number 43-019-31399

Topic of Conversation: AS OF THIS DATE, DIRECTIONAL SURVEY HAS NOT BEEN RECEIVED

Date of Phone Call: 4/14/2004

Time: 8:08 am

DOGM Employee (name): CAROL DANIELS

☐ Initiated Call? ☒

Spoke with:

Name: LYNN FAUST

☐ Initiated Call? ☐

Of (company/organization): SOLARIS EXPLORATION CORP Phone: (281) 931-8933

Highlights of Conversation:

LEFT VOICE MAIL MESSAGE FOR LYNN FAUST REQUESTING THE DIRECTIONAL SURVEY TO BE SENT IN.

NOTICE

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- Within 30 days after the completion or plugging of a well, the following shall be filed:
 - Form 8, Well Completion or Recompletion Report and Log
 - A copy of electric and radioactivity logs, if run
 - A copy of drillstem test reports,
 - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
 - A copy of core analyses, and lithologic logs or sample descriptions if compiled
 - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division has not received the required reports for

Operator: SOLARIS EXPLORATION CORP

Today's Date: 04/19/2004

Well:

STATE 21-19 (32-16D)
T21S R19E SEC 32

API Number:

4301931399

Drilling Commenced:

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please call (801) 538-5284.

cc: **Well File**
Compliance File



Directional LLC
250 South Center St. Ste. 3305
Casper, Wyoming 82401
Ph. 307-237-3130
Fx. 307-237-3135

Slide Data Sheet

Company: Solaris Exploration

Date: 15-Sep thru 17-Sep

Well Name: State 21-19 # 32-100

Bit to Survey: 45 Ft.

Co. Rep.: Bill Bruckner

Page: 1 of 1

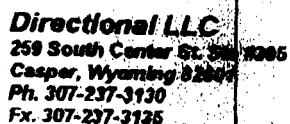
BHA #	Survey Depth	Incl. Degree	Azimuth Degree	Depth From	Depth To	Feet	Drill O/R	Tool Face or RPM	Drill Hrs.	WOB 1000#	PU, SO & ROD WT	Pump BPM	Flow Rate	Pressure OFF/ON	Comments
1	518	4.4	106	509	563	54	R	60	1.75	10	35/35/35	140	380	600/700	
1				563	570	7	O	260mtr	0.25	15	35/35/35	140	380	600/700	
1	579	4.5	103.9	570	624	54	R	60	1.50	10	35/35/35	140	380	600/700	
1				624	636	12	O	255mtr	0.25	18	35/35/35	140	380	600/700	
1	642	4.6	110.4	636	687	51	R	60	1.25	15	38/38/38	140	380	600/700	
1				687	703	16	O	335mtr	0.50	18	38/38/38	140	380	650/750	
1	705	4.7	102.3	703	750	47	R	60	1.00	15	38/38/38	140	380	650/750	
1				750	768	18	O	340mtr	0.25	18	38/38/38	140	380	650/750	
1	768	4.8	92.3	768	813	47	R	60	1.00	12	38/38/38	140	380	650/750	
1				813	826	15	O	320mtr	0.25	20	40/40/40	140	380	650/750	8-16
1	830	5	85.6	826	875	47	R	60	1.00	12	40/40/40	140	380	650/750	
1				875	891	16	O	315mtr	0.50	15	40/40/40	140	380	650/750	
1	889	4.8	77.6	891	924	43	R	60	1.25	12	40/40/40	140	380	650/750	
1				924	950	18	O	305mtr	0.25	15	40/40/40	140	380	650/750	
1	952	4.7	73.3	950	997	47	R	60	1.50	15	40/40/40	140	380	650/750	
1				997	1013	16	O	300mtr	0.25	15	40/40/40	140	380	650/750	
1	1015	4.8	70.1	1013	1060	47	R	60	1.50	15	40/40/40	140	380	650/750	
1				1060	1076	16	O	315	0.50	15	40/40/40	140	380	650/750	
1	1078	4.9	69.8	1076	1123	47	R	60	1.25	15	40/40/40	140	380	650/750	
1				1123	1140	17	O	290	0.50	16	40/40/40	140	380	650/750	
1	1138	4.9	68	1140	1183	43	R	60	1.50	15	40/40/40	140	380	650/750	
1				1183	1203	20	O	330	0.25	15	40/40/40	140	380	650/750	
1	1198	8.5	49.2	1203	1243	40	R	60	1.00	15	40/40/40	140	380	650/750	
1				1243	1280	17	O	275	0.75	15	40/40/40	140	380	650/750	
1	1281	7.3	44.4	1280	1306	46	R	60	1.50	15	52/44/48	140	380	650/750	
1				1306	1322	16	O	135L	0.50	12	52/44/48	140	380	700/875	
1	1325	6.4	46.4	1322	1370	48	R	60	1.25	15	52/44/48	140	380	700/875	
1				1370	1385	16	O	110Lgt	0.50	20	52/44/48	140	380	700/875	
1	1388	6.2	49.2	1385	1433	48	R	60	1.25	15	52/44/48	140	380	700/875	
1				1433	1451	18	O	110Lgt	0.75	20	52/44/48	140	380	700/875	
1	1451	5.8	51.8	1451	1490	45	R	60	1.50	15	52/44/48	140	380	700/875	
1				1490	1516	20	O	105Lgt	0.75	15	52/44/48	140	380	700/900	
1	1514	5.9	51.5	1516	1554	43	R	60	1.25	15	52/44/48	140	380	700/900	
1											52/44/48	140	380	700/900	

Sliding Data : Footage= 253 Hrs= 7 FVHr= 36.1428571
Rotating Data: Footage= 797 Hrs= 22.3 FVHr= 35.8202247
Directional LLC Directional Sup.: Marchwick / Correa

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APR 26 2004

DIV. OF OIL, GAS & MINING



Company: Solaris Exploration

Date: 17-Sep thru 17-Sep

Well Name: State 21-19 # 32-160

Bit to Survey: 45 Ft.

Co. Rep. : Bill Bruckner

Page: 2 of 2

DEPT. OF OIL, GAS & MINING

Directional LLC
259 South Center St. Ste #308
Casper, Wyoming 82601
Ph. 307-237-3130
Fx. 307-237-3135

BHA Data Sheet

Job #	2003-11			BHA #:	2	Hole Size:	8 3/4	Motor #:	2010
Customer:	Solaris Exploration			Date In:	9-17	Date Out:		Motor OD:	6 3/4
Well:	State 21-19 # 32-16D			Depth In:	1959	Depth Out:		Tot. Figs.:	
Well Loc.:				Slide Hrs.:		Slide F.:		Slide ROP:	
County/St.:	Grand County/ Utah			Rot. Hrs.:		Rot. F.:		Rot. ROP:	
Rig:	Excell # 14			Orig. Hrs.:		Slide M.:		Avg. ROP:	
DD:	Bill Marchwick			Circ. Hrs.:		Rot. M.:		Steering %:	
DD:				Tot D&C Hrs:		Avg. T.:		Rotate %:	
MWD:	Alfredo Correa			R/B Config:	9/10-4st	Avg. ROP:		GPM:	
MWD:				ABH Set:	1.5"	Incl.:		SPP On:	
Mud Type:		Mud PV:		Mud YP:		Incl. Out:		SPP Off:	
Mud Wt.:		Chloride:		BHT F:		Azimuth In:		Delta P:	
Mud Vis.:		Sand %:		Solid %:		Azimuth Out:	21.8	Avg. DLS:	

[illegible]

BHA Weights :			Wt in Air =	Wt in Mud =	15254 lb	Total BHA Length =	493.34
---------------	--	--	-------------	-------------	----------	--------------------	--------

BHA Expected Behavior	Build & Control Angle & Azimuth With Minium Dog Legs
-----------------------	--

BHA Actual Behavior

Comments / Reason for Trip

Failure? Y or N

Bit Grade	Inner/Outer/Dull Char/Location/Brg/Cage/Other/Reason Pulled	App
-----------	---	-----

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APR 21 2004

DIV. OF OIL, GAS & MINING

September 20, 2003
7:49 am

PathTracker 4.0
Survey Calculation Program
Directional LLC

Page 1 of 1

Customer: Solaris Exploration
WellName: State 21-19 # 32-16D
Location: Grand County/ Utah

Vertical Section Calculated on: 31.8300
Survey Calculation Method: Minimum Curvature
FileName: C:\PATHTRKR\SOL0311A.SR3

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	Section Feet	Dogleg /100f	BldRate /100f	TmRate /100f
34	2255.00	9.80	31.10	2244.47	99.88	150.66	164.31	0.83	0.82	-0.82
35	2317.00	10.90	31.20	2305.47	109.41	156.42	175.45	1.77	1.77	0.16
36	2381.00	11.30	30.20	2368.27	120.00	162.71	187.77	0.69	0.63	-1.56
37	2445.00	11.30	27.60	2431.03	130.98	168.77	200.29	0.80	0.00	-4.06
38	2507.00	11.60	23.90	2491.79	142.06	174.11	212.52	1.28	0.48	-5.97
39	2570.00	12.00	23.70	2553.46	153.85	179.31	225.28	0.64	0.63	-0.32
40	2632.00	12.50	25.40	2614.05	165.81	184.78	238.33	0.99	0.81	2.74
41	2695.00	12.00	24.90	2675.62	177.91	190.46	251.60	0.81	-0.79	-0.79
42	2757.00	11.60	21.20	2736.31	189.57	195.43	264.13	1.38	-0.65	-5.97
43	2819.00	11.60	18.90	2797.04	201.28	199.70	278.33	0.75	0.00	-3.71

Closure is 283.5365 Feet on an azimuth of 44.7740

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Slide Data Sheet

Company: Solaris Exploration

Date: 20-Sep thru 21-Sep

Well Name: State 21-19 # 32-18D

Bit to Survey: 45 Ft.

Co. Rep. : Bill Bruckner

Page: 4 of 4

[illegible]

Sliding Data :	Footage=	23	Hrs=	1.25	Ft/Hr=	18.4
Rotating Data:	Footage=	384	Hrs=	25.3	Ft/Hr=	15.2079208
Directional LLC Directional Sup.:	Marchwick / Correa					

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September 21, 2003
5:31 am

PathTracker 4.0
Survey Calculation Program
Directional LLC

Page 1 of 1

Customer: Solaris Exploration
WellName: State 21-19 # 32-16D
Location: Grand County/ Utah

Vertical Section Calculated on: 31.8300
Survey Calculation Method: Minimum Curvature
FileName: C:\PATHTRK\ISOLO311A.SR3

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	Section Feet	Dogleg /100f	BldRate /100f	TmRate /100f
41	2757.00	11.60	21.20	2736.46	187.06	191.81	260.09	1.38	-0.65	-5.97
42	2819.00	11.60	18.90	2797.20	198.77	196.08	272.29	0.75	0.00	-3.71
43	2881.00	11.50	23.20	2857.94	210.35	200.53	284.48	1.40	-0.16	6.94
44	2943.00	11.70	25.30	2918.67	221.72	205.65	296.84	0.75	0.32	3.39
45	3006.00	12.00	25.60	2980.33	233.40	211.21	309.69	0.49	0.48	0.48
46	3069.00	11.70	25.40	3041.99	245.07	216.78	322.55	0.48	-0.48	-0.32
47	3131.00	12.00	25.40	3102.67	256.57	222.25	335.20	0.48	0.48	0.00
48	3193.00	12.00	26.70	3163.31	268.15	227.91	348.03	0.44	0.00	2.10
49	3258.00	12.50	27.60	3224.88	280.05	234.01	361.35	0.85	0.79	1.43
50	3319.00	12.50	26.10	3286.39	292.21	240.17	374.93	0.52	0.00	-2.38

Closure is 378.2424 Feet on an azimuth of 39.4163

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Directional LLC
259 South Center St. Ste 1006
Casper, Wyoming 82401
Ph. 307-237-3130
Fx. 307-237-3136

Slide Data Sheet

Company: **Solaris Exploration**

Date: **18-Sep** thru **20-Sep**

Well Name: **State 21-19 # 32-160**

Bit to Survey: **45** Ft.

Co. Rep.: **Bill Bruckner**

Page: **3** of **3**

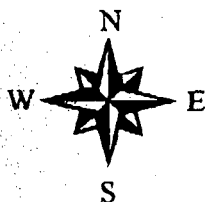
BHA #	Survey Depth	Incl. Degree	Azimuth Degree	Depth From	Depth To	Feet	Drill O/R	Tool Face or RPM	Drill Hrs.	WOB 1000#	PU, SO & ROT WT	Pump GPM	Flow Rate	Pressure OFF/ON	Comments
2	1946	6.2	23	1959	1991	32	R	60	0.75	15	58/54/56	140	370	800/1000	
2				1991	2001	10	O	HS	0.75	18	58/54/56	140	370	800/1000	
2	2009	7	28.3	2001	2054	53	R	60	1.50	15	58/54/56	140	370	800/1000	
2				2054	2084	10	O	15Lgt	0.25	25	58/54/56	140	370	800/1000	
2	2070	8	30.9	2084	2115	51	R	60	1.75	15	62/56/60	140	370	800/1000	
2				2115	2125	10	O	45Lgt	0.25	25	62/56/60	140	370	800/1000	
2	2131	8.9	32.3	2125	2176	51	R	60	1.25	15	62/56/60	140	370	800/1000	
2				2176	2186	10	O	60Lgt	0.25	35	62/56/60	140	370	800/1000	
2	2194	9.3	31.8	2186	2238	48	R	60	1.75	15	62/56/60	140	370	800/1000	
2				2238	2255	18	O	75Lgt	0.25	35	62/56/60	140	370	800/1000	
2	2255	9.8	31.1	2255	2300	45	R	60	1.50	15	62/56/60	140	370	800/1000	
2				2300	2317	20	O	10Lgt	0.25	30	66/60/64	140	370	800/1000	
2	2317	10.9	31.2	2317	2362	42	R	60	1.60	15	66/60/64	140	370	800/1000	
2				2362	2381	20	O	90Lgt	0.25	30	66/60/64	140	370	800/1000	
2	2381	11.3	30.2	2381	2426	44	R	60	2.00	25	66/60/64	140	370	800/1000	
2				2426	2445	20	O	95Lgt	0.50	15	66/60/64	140	370	800/1000	
2	2445	11.3	27.6	2445	2490	44	R	60	1.75	15	66/60/64	140	370	800/1000	
2				2490	2507	20	O	90Lgt	0.50	30	66/60/64	140	370	800/1000	
2	2507	11.6	23.9	2507	2552	42	R	60	2.75	15	66/60/64	140	370	800/1000	
2				2552	2570	52	R	60	3.50	15	70/64/68	140	370	800/1000	
2	2570	12	23.7	2570	2632	11	R	60	1.25	15	70/64/68	140	370	800/1000	9-19
2	2632	12.5	25.4	2632	2677	62	R	60	3.25	15	70/64/68	140	370	800/1000	
2				2677	2695	20	O	130Lgt	0.50	30	70/64/68	140	370	800/1000	
2	2695	12	24.9	2695	2740	43	R	60	1.50	15	70/64/68	140	370	800/1000	
2				2740	2757	20	O	130Lgt	0.50	30	70/64/68	140	370	800/1000	9-20
2	2757	11.6	21.2	2757	2819	42	R	60	1.25	15	74/66/70	140	370	800/1000	
2	2819	11.6	18.9	2819	2864	62	R	60	2.25	15	74/66/70	140	370	800/1000	
2				2864	2881	6	O	90Rgt	0.50	25	74/66/70	140	370	800/1000	
2	2881	11.5	23.2	2881	2943	66	R	60	2.25	20	74/66/70	140	370	800/1000	
2	2943	11.7	25.3	2943	3020	94	R	60	4.75	20	74/66/70	140	370	800/1000	
2				3020	3066	8	O	100L	0.50	25	74/66/70	140	370	800/1000	
2	3066	12	26.6	3066	3069	54	R	60	2.00	20	74/66/70	140	370	800/1000	
2	3069	11.7	25.4	3069	3131	62	R	60	2.00	20	74/66/70	140	370	800/1000	
2	3131	12	25.4	3131	3144	32	R	60	1.00	20	74/66/70	140	370	800/1000	

Sliding Data : Footage= **195** Hrs= **5.25** FVHr= **37.1428571**
Rotating Data: Footage= **1022** Hrs= **41.5** FVHr= **24.626506**
Directional LLC Directional Sup.: **Marchwick / Correa**

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DIV. OF OIL, GAS & MINING



Directional LLC
 289 South Center St. Ste 205
 Casper, Wyoming 82601
 Ph. 307-237-3130
 Fx. 307-237-3135

Survey Calculation Sheet

Company **Solaris Exploration**
 Well **State 21-19 # 32-16D**
 Field _____
 Rig **Excell # 14**
 Dir. LLC Rep. **Marchwick / Correa**

Mag. Decl. **11.20**
 Target TVD **4886**
 Target Az. **31.83**
 Tgt. Coord. **1**

Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLG	B/D.	R/L	BHA
Tie - In													1
	1	135	2.0	109.0	135	134.97	0.64	0.65 S	2.26 E	1.48	1.48	78.52	1
	2	250	2.6	106.0	115	249.88	1.87	1.89 S	6.60 E	0.43	0.43		1
	3	345	3.0	106.0	95	344.77	3.12	3.15 S	10.99 E	0.53	0.53		1
	4	463	3.0	106.0	118	462.81	4.80	4.85 S	16.92 E				1
	5	518	4.4	106.0	55	517.50	5.77	5.83 S	20.32 E	2.55	2.55		1
	6	579	4.5	103.5	61	578.31	7.15	7.05 S	24.91 E	0.31	0.16	-3.44	1
	7	642	4.6	119.4	63	641.11	8.41	8.52 S	29.67 E	0.83	0.16	10.32	1
	8	706	4.7	107.5	63	703.91	9.77	9.96 S	34.56 E	1.05	0.16	-12.86	1
16-Sep	9	768	4.8	92.5	63	766.69	11.93	10.61 S	39.72 E	1.32	0.16	-15.87	1
	10	830	5.0	85.8	62	828.47	14.81	10.51 S	45.00 E	0.98	0.32	-10.81	1
	11	889	4.8	77.5	59	887.25	18.05	9.78 S	49.98 E	1.22	-0.34	-13.73	1
	12	952	4.7	73.8	63	950.03	21.83	8.46 S	55.02 E	0.87	-0.16	-6.67	1
	13	1015	4.8	70.7	63	1012.82	25.83	6.83 S	59.97 E	0.45	0.16	-5.08	1
	14	1078	4.9	68.5	63	1075.59	30.02	5.00 S	64.98 E	0.18	0.16	-0.48	1
	15	1138	4.9	60.0	60	1135.37	34.11	3.15 S	69.76 E	0.26		-3.00	1
	16	1198	6.5	46.2	60	1195.08	39.42	0.03 N	74.71 E	4.06	2.67	-31.33	1
	17	1261	7.3	44.3	63	1257.62	46.73	5.22 N	80.21 E	1.56	1.27	-7.62	1
	18	1325	6.4	46.8	64	1321.17	54.15	10.58 N	85.63 E	1.45	-1.41	3.13	1
	19	1388	6.2	48.2	63	1383.79	60.80	15.22 N	90.75 E	0.58	-0.32	4.44	1
	20	1451	5.6	51.5	63	1446.45	66.93	19.35 N	95.74 E	1.04	-0.95	4.13	1
17-Sep	21	1514	5.9	51.5	63	1509.14	72.87	23.27 N	100.69 E	0.48	0.48	-0.48	1
	22	1576	5.7	48.0	62	1570.82	78.81	27.27 N	105.51 E	0.52	-0.32	-4.03	1
	23	1637	5.9	45.1	61	1631.51	84.76	31.47 N	110.02 E	0.72	0.33	-6.39	1
	24	1700	5.9	37.4	63	1694.17	91.13	36.33 N	114.28 E	1.28		-12.22	1
	25	1761	6.2	34.3	61	1754.63	97.54	41.52 N	118.06 E	0.67	0.49	-4.26	1
	26	1822	6.2	27.5	61	1815.48	104.08	47.27 N	121.20 E	2.17		-20.16	1
	27	1885	5.8	18.5	63	1878.13	110.54	53.43 N	123.51 E	0.93	-0.63	-6.51	1
18-Sep	28	1946	6.2	23.0	61	1938.80	116.79	59.39 N	125.77 E	1.02	0.68	7.54	2
	29	2009	7.0	25.8	63	2001.38	123.97	65.96 N	128.80 E	1.40	1.27	5.24	2
	30	2070	8.0	30.0	61	2061.88	131.92	72.94 N	132.63 E	1.91	1.64	7.54	2
	31	2131	8.9	32.5	61	2122.20	140.88	80.57 N	137.33 E	1.51	1.48	2.30	2
	32	2194	9.3	37.5	63	2184.40	150.84	89.03 N	142.80 E	0.66	0.63	-1.11	2
	33	2255	9.8	31.5	61	2244.56	160.96	97.67 N	147.85 E	0.83	0.62	-0.82	2
	34	2317	10.9	31.2	62	2308.85	172.10	107.20 N	153.62 E	1.77	1.77	0.16	2
	35	2381	11.3	38.2	64	2368.35	184.42	117.80 N	159.91 E	0.69	0.63	-1.56	2
	36	2445	11.3	27.0	64	2431.11	196.94	128.77 N	165.97 E	0.80		-4.06	2
	37	2507	11.6	23.0	62	2491.88	209.17	139.85 N	171.31 E	1.28	0.48	-5.97	2
19-Sep	38	2570	12.0	23.7	63	2553.55	221.93	151.64 N	176.51 E	0.64	0.63	-0.32	2
	39	2632	12.5	25.4	62	2614.14	234.98	163.61 N	181.98 E	0.99	0.81	2.74	2
20-Sep	40	2695	12.0	24.9	63	2675.70	248.25	175.70 N	187.86 E	0.81	-0.79	-0.79	2
	41	2757	11.6	21.2	62	2736.39	260.78	187.36 N	192.63 E	1.38	-0.65	-5.97	2
	42	2819	11.6	16.3	62	2797.13	272.96	199.07 N	196.90 E	0.75		-3.71	2
	43	2881	11.5	23.2	62	2857.87	285.17	210.65 N	201.36 E	1.40	-0.16	6.94	2
	44	2944	12.9	25.8	64	2918.54	297.54	222.94 N	206.66 E	0.78	0.64	0.66	2

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BHA Data Sheet[illegible]

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DIV. OF OIL, GAS & MINING



Directional LLC
250 South Center St. Ste #305
Casper, Wyoming 82601
Ph. 307-237-3130
Fx. 307-237-3135

BHA Data Sheet

Job #	2003-11			BHA #:	3	Hole Size :	8 3/4	Motor # :	650-699
Customer:	Solaris Exploration			Date In:	9-22	Date Out:	9/23/2003	Motor OD:	6 3/4
Well:	State 21-19 # 32-16D			Depth In:	3583	Depth Out:	3938	Tot.Ftgs.:	355
Well Loc.:				Slide.Hrs.:	6.5	Slide Ft.:	86	Slide.ROP:	13.23
County/St.:	Grand County/ Utah			Rot.Hrs.:	18.5	Rot.Ft.:	269	Rot.ROP:	14.54
Rig :	Excell # 14			Drig Hrs.:	25	Slide WOB:	40	Avg.ROP:	14.20
OD:	Bill Marchwick			Circ.Hrs.:	11	Rot. WOB:	40	Steering%:	24.23%
DD:				Tot D&C Hrs:	36	Avg. Tq.:	135	Rotate % :	75.77%
MWD:	Alfredo Correa			R/S Config.:	5/6-6.5st	Avg RPM :	60	GPM:	370
MWD:				ABH Set:	1.5"	Incl. In:	13.7	SPP On:	1150
Mud Type:	KCL	Mud PV:	10	Mud YP:	12	Incl.Out:	12.4	SPP Off:	1050
Mud Wt.:	8.9	Chloride:	13500	BHT F		Azimuth In :	30.9	Delta P:	100
Mud Vis.:	39	Sand % :	0.50%	Solid %:	7.00%	Azimuth Out :	21.8	Avg.DLS:	0.98

[illegible]

Total BHA Length = 494.63

BHA Weights : **Wt in Air =** **Wt in Mud =** **13317 lb**

BHA Expected Behavior	Control Angle And Azimuth With Minium Dog Legs

BHA Actual Behavior	BHA Preformed As Expected
---------------------	---------------------------

[illegible]

Failure? Y or N	Y		Mud Motor
-----------------	---	--	-----------

Bit Grade	Inner/Outer/Dull Char./Location/Bmp/Gaps/Other/Reason Pulled	5/3/W/A/E/ 1/4 -BT / Pressure Increase
-----------	--	--

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September 25, 2003
7:04 am

PathTracker 4.0
Survey Calculation Program
Directional LLC

Page 1 of 1

Customer: Solaris Exploration
WellName: State 21-19 # 32-16D
Location:
Grand County/ Utah

Vertical Section Calculated on: 31.8300
Survey Calculation Method: Minimum Curvature
FileName: C:\PATHTRKR\SOL0311A.SR3

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	Section Feet	Dogleg /100f	BldRate /100f	TmRate /100f
51	3382.00	12.70	25.80	3347.87	304.57	246.18	388.60	0.33	0.32	-0.48
52	3445.00	12.90	26.30	3409.30	317.11	252.31	402.49	0.36	0.32	0.79
53	3506.00	13.40	29.00	3468.70	329.40	258.75	416.33	1.30	0.82	4.43
54	3571.00	13.60	32.00	3531.91	342.46	266.45	431.49	1.12	0.31	4.62
55	3632.00	12.80	31.20	3591.30	354.33	273.75	445.42	1.35	-1.31	-1.31
56	3695.00	13.00	29.70	3652.71	366.45	280.88	459.48	0.62	0.32	-2.38
57	3758.00	13.00	27.00	3714.09	378.92	287.61	473.62	0.96	0.00	-4.29
58	3820.00	12.40	23.40	3774.58	391.24	293.42	487.16	1.60	-0.97	-5.81
59	3883.00	12.40	21.80	3836.11	403.73	298.62	500.51	0.55	0.00	-2.54
60	3947.00	12.40	21.80	3898.61	416.49	303.72	514.04	0.00	0.00	0.00

Closure is 515.4717 Feet on an azimuth of 36.1009

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DIV. OF OIL, GAS & MINING

Directional LLC
250 South Center St. Ste #305
Casper, Wyoming 82601
Ph. 307-237-3130
Fx. 307-237-3135

Slide Data Sheet

Company: Solaris Exploration

Date: 24-Sep thru 24-Sep

Well Name: State 21-19 # 32-16D

Blk to Survey: 45 Fl.

Co. Rep. : Bill Bruckner

Page: 6 of 6

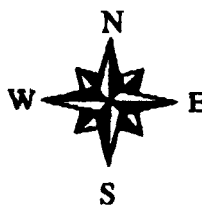
[illegible]

Sliding Data :	Footage=	Hrs=	Ft/Hr=	#DIV/0!
Rotating Data:	Footage= 22	Hrs= 1.5	Ft/Hr=	
Directional LLC Directional Sup.:	Marchwick / Correa			

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DIV. OF OIL, GAS & MINING



Directional LLC
 200 South Center St. Ste 2005
 Casper, Wyoming 82601
 Ph. 307-237-3130
 Fx. 307-237-3135

T 213 R 19E S-32
 43-019-31399

Survey Calculation Sheet

Company **Solaris Exploration**

Well **State 21-19 # 32-16D**

Field

Rig **Excell # 14**

Dir. LLC Rep. **Marchwick / Correa**

Mag. Decl. **11.20**

Target TVD **4886**

Target Az. **31.83**

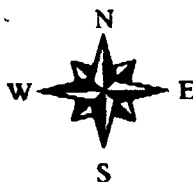
Tgt. Coord. **1**

Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B/D.	R/L	BHA
Tie - In													1
	45	3006	12.0	25.6	63	2990.26	310.38	233.70 N	212.04 E	0.49	0.49	0.49	2
	46	3099	11.7	25.4	63	3041.92	323.24	245.37 N	217.61 E	0.48	-0.48	-0.32	2
	47	3131	12.0	26.4	62	3102.60	336.89	256.87 N	223.07 E	0.48	0.48		2
	48	3183	12.0	26.7	62	3163.24	348.71	268.46 N	228.73 E	0.44		2.10	2
	49	3256	12.5	27.6	63	3224.81	362.04	280.36 N	234.83 E	0.86	0.79	1.43	2
21-Sep	50	3319	12.5	28.1	63	3286.32	375.62	292.51 N	240.89 E	0.52		-2.38	2
	51	3382	12.7	28.8	63	3347.80	389.29	304.87 N	247.00 E	0.33	0.32	-0.48	2
	52	3445	12.9	29.3	63	3409.23	403.18	317.41 N	253.13 E	0.36	0.32	0.79	3
	53	3508	13.4	29.0	61	3488.63	417.01	329.89 N	259.55 E	1.30	0.82	4.43	3
22-Sep	54	3571	13.6	32.0	66	3531.84	432.18	342.76 N	267.28 E	1.12	0.31	4.62	3
23-Sep	55	3632	12.8	31.2	61	3591.23	446.11	354.62 N	274.58 E	1.35	-1.31	-1.31	3
	56	3695	13.0	29.7	63	3652.64	460.17	366.75 N	281.70 E	0.62	0.32	-2.38	3
	57	3758	13.0	27.0	63	3714.02	474.31	379.22 N	288.43 E	0.98		-4.28	3
	58	3820	12.4	23.4	62	3774.51	487.84	391.64 N	294.24 E	1.60	-0.97	-5.81	3
	59	3883	12.4	21.8	63	3836.04	501.19	404.03 N	299.44 E	0.55		-2.54	3
25-Sep	60	3947	12.4	21.8	64	3898.54	514.73	416.79 N	304.54 E				8

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APR 26 2004

DIV. OF OIL, GAS & MINING



Directional LLC
259 South Center St. Ste #306
Casper, Wyoming 82601
Ph. 307-237-3130
Fx. 307-237-3135

BHA Data Sheet

Job #	2003-11			BHA #:	6	Hole Size :	8 3/4	Motor # :	6052
Customer:	Solans Exploration			Date In:	9-24	Date Out:	9/25/2003	Motor OD:	6 3/4
Well:	State 21-19 # 32-16D			Depth In:	3980	Depth Out:	4088	Tot.Ftga.:	128
Well Loc.:				Slide.Hrs.:		Slide Ft.:		Slide.ROP:	#DIV/0!
County/St.:	Grand County/ Utah			Rot.Hrs.:	6.75	Rot.Ft.:	128	Rot.ROP:	18.96
Rig :	Excell # 14			Orig.Hrs.:	6.75	Slide WOB:	0	Avg.ROP:	18.96
DD:	Bill Marchwick			Circ.Hrs.:	11.25	Rot. WOB:	20	Steering%:	
DD:				Tot D&C Hrs:	18	Avg. Tg.:	135	Rotate %:	100.00%
MWD:	Alfredo Correa			R/S Config.:	7/8-3stg	Avg RPM :	60	GPM:	370
MWD:				ABH Set:	1.5"	Incl. In:	12.1	SPP On:	1275
Mud Type:	KCL	Mud PV:	15	Mud YP:	3	Incl.Out:	12.4	SPP Off:	1175
Mud Wt.:	9	Chloride:	10500	BHT F		Azimuth In :	21.6	Delta P:	100
Mud Vis.:	44	Sand % :	TR	Solid %:	7.00%	Azimuth Out :	21.8	Avg.DLS:	0

[illegible]

Total BHA Length = 495.92

BHA Weights : **Wt in Air =** **Wt in Mud =** **13429 lb**

BHA Expected Behavior	Control Angle And Azimuth With Minimum Dog Legs
-----------------------	---

BHA Actual Behavior	BHA Preformed As Expected
---------------------	---------------------------

Comments / Reason for Trip	T.D.
-----------------------------------	-------------

Failure? Y or N	N
-----------------	---

Blt Grade	Inner/Outer/Dull Char./Location/Brim/Gage/Other/Reason Pulled	2/2/NU/A/EN/n/a
-----------	---	-----------------

RECEIVED
APR 26 2004
DIV. OF OIL, GAS & MINING

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: _____

LEASE NUMBER: _____

> See Attached

and hereby designates

NAME: MSC Exploration, L.P.

ADDRESS: 16800 Imperial Valley Dr. Ste 380
city Houston state TX zip 77060

as his (check one) agent ☐ / operator ☒, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

State 21-19 # 32-16D

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 6-10-04

BY: (Name) Lynn Faust
(Signature) L Faust
(Title) VP
(Phone) 281-931-8933

OF: (Company) Solaris Exploration Corp
(Address) 16800 Imperial Valley Ste 380
city Houston
state TX zip 77060

DIV. OF OIL, GAS & MINING

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JUN 10 2004

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: ML-47441	6. SURFACE:
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <u>Directional</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: Solaris Exploration, Inc.		9. WELL NAME and NUMBER: State 21-19 #32-16D	
3. ADDRESS OF OPERATOR: 16800 Imperial Valley Dr., Ste 380 CITY Houston STATE TX ZIP 77060		10. FIELD AND POOL, OR WILDCAT: Undesignated	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 122 FSL, 994 FEL, AT PROPOSED PRODUCING ZONE: BHL 660 FSL, 660 FEL, C SE SE, Sec. 32, T21S-R19E		11. QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW SE SE, Sec. 32, T21S-R19E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 2 Mile West of Crescent Junction, Utah		12. COUNTY: Grand	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 649'	16. NUMBER OF ACRES IN LEASE: 480	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH: 4,900'	20. BOND DESCRIPTION: Bond Applied For.	
21. ELEVATIONS (SHOW WHETHER OF, RT, GR, ETC.): 4,818' GR	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION: 30 days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4"	9 5/8" J-55 36#	400'	185 Sx Class "G", 1.18 CFS 15.2 PPG
8 3/4"	7" J-55 23#	4,900'	Lead 125 Sx Blend, 3.82 CFS, 11.0 ppg, Tail 375 Sx 50/50poz 1.21 CFS, 14.4 ppg

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|---|
| <input checked="" type="checkbox"/> WELL PLAN OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input checked="" type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Julie L. Acevedo TITLE Permit Agent

SIGNATURE *Julie L. Acevedo* DATE 7-8-03

(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____

Discretion Controlled
Inclusion only
RECEIVED
JUN 10 2004

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR: N2230 Solaris Exploration, Corp. 16800 Imperial Valley Dr.

3. ADDRESS OF OPERATOR: Ste 380 Houston TX 77060 PHONE NUMBER: 2819318933

4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____

QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47441

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: _____

7. UNIT or CA AGREEMENT NAME: N/A

8. WELL NAME and NUMBER: STATE 21-19# 32-60

9. API NUMBER: 43-019-31399

10. FIELD AND POOL, OR WILDCAT: Undesignated

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

NEW OPERATOR:

MSC Exploration L.P. N2595
16800 Imperial Valley Dr.

Ste 380
Houston, TX 77060

Bond # _____
effective 1/12/10

APPROVED 12/2/04
Denise Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED

JUL 15 2004

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lynn Faust TITLE VP - Solaris Exploration, Corp.
SIGNATURE [Signature] DATE 7-15-04

(This space for State use only)

011

210 S 190 E Sec. 32



State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

December 2, 2004

Lynn Faust
Solaris Exploration Corp
16800 Imperial Valley Dr, Suite 380
Houston, TX 77060

RE: Operator Changes for State 21-19#32-16D (API 43-019-31399) and
State 1-32 (API 43-019-31394) and Plugging

Dear Ms. Faust:

The Division of Oil, Gas and Mining is returning the Form 9, Sundry Notice and Reports on Wells unapproved for operator changes from Solaris Exploration Corp to MSC Exploration, LP for the referenced wells.

Rule R649-3-1(14.6.1) states "If the division determines that the new operator's bond coverage will be insufficient to cover the costs of plugging and site restoration for the applicable well(s), the division may deny the change of operator"

Call if you have other questions (801) 538-5336.

Sincerely,

A handwritten signature in cursive script that reads "Earlene Russell".

Earlene Russell
Engineering Technician

Enclosures (2)

cc: Dan Jarvis
Bond file
Well files

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>ML 46760</u>
2. NAME OF OPERATOR: <u>MSC Exploration LP</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: <u>16800 Imperial Valley Dr. Houston, TX 77060</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>1270' FNL + 800' FEL</u>		8. WELL NAME and NUMBER: <u>Solaris State 2119 (32-160)</u>
5. PHONE NUMBER: <u>2819318933</u>		9. API NUMBER: <u>043-019-31399</u>
6. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>NENE 16 21S 20E</u>		10. FIELD AND POOL, OR WILDCAT: <u>Wildcat</u>
COUNTY: <u>GRAND</u>		STATE: <u>UTAH</u>

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective Date: 6/4/04

Bond # 6801331643
ER 3/28/05

RECEIVED
JAN 31 2005

DIV. OF OIL, GAS & MINING

Lynn Faust for Solaris Exploration, Corp.
L Faust

Vice-President
1-29-05

NAME (PLEASE PRINT) Lynn Faust for Msc Exploration LP TITLE Administrator
SIGNATURE L Faust DATE 1-29-05

(This space for State use only)

APPROVED 3/28/05
ERussell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: _____

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: _____

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 3/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 3/28/2005
3. Bond information entered in RBDMS on: 3/28/2005
4. Fee/State wells attached to bond in RBDMS on: 3/28/2005
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: _____

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: _____

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 6801331643
2. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: TLA bond reduced

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:

Solaris Exploration, Corp.

3. ADDRESS OF OPERATOR:

16800 Imperial Valley Dr. Ste 380 Houston, TX 77060

PHONE NUMBER:

281-931-8933

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: GRAND

QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

32 21S 19E

STATE:

UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:

ML 46760

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

ST 1-32
ST 21-19 (32-160)

9. API NUMBER:

043-019-31294
043-019-31297

10. FIELD AND POOL, OR WILDCAT:

Wildcat

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Pls change Operator to:
MSC Exploration, LP
16800 Imperial Valley Dr.
Ste 380
Houston, TX 77060

NAME (PLEASE PRINT) Lyon Faust TITLE Administrator
SIGNATURE L Faust DATE 3-23-05

(This space for State use only)

(5/2000)

(See instructions on Reverse Side)

RECEIVED

MAR 23 2005

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 5

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: _____

LEASE NUMBER: _____

and hereby designates

NAME: Tidewater Oil & Gas LLC N3000

ADDRESS: 1645 Court Place, Suite 301

city DENVER state CO zip 80202

as his (check one) agent ☒ / operator ☐, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

43-019-31401 STATE MSC 16-1
43-019-31402 CACTUS ROSE MSC 2-1
~~43-019-31404 FEDERAL MSC 26-1~~
43-019-31408 STATE MSC 35-2
43-019-31394 STATE 1-32
~~43-019-31390 STATE 21-19 (32-16D)~~
43-019-31404 STATE MSC 35-1
43-019-31412 N THOMPSON 2-1

APPROVED 10/25/06

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

MSC HAS BONDED THESE WELLS - ER

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 10/10/2006

BY: (Name) Michael Cornish
(Signature) [Signature]
(Title) President
(Phone) (203) 994-1079

OF: (Company) MSC Exploration, LP N2595
(Address) 369 Florida Hill Rd.
city RIDGEFIELD
state CT zip 06877

RECEIVED

OCT 25 2006

(5/2000)

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

2/12/2008

FROM: (Old Operator): N3000-Tidewater Oil & Gas Company, LLC 110 16th St, Suite 1200 Denver, CO 80202 Phone: 1 (303) 327-7134	TO: (New Operator): N3440-NAE, LLC 16800 Imperial Valley Dr, Suite 380 Houston, TX 77060 Phone: 1 (281) 931-8933
--	--

CA No.			Unit:					
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 2/26/2008
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/22/2008
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/15/2008
- a. Is the new operator registered in the State of Utah: _____ Business Number: 6666480-0161
- b. If **NO**, the operator was contacted on: _____
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: ok
- 5c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 2/27/2008
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/27/2008
- Bond information entered in RBDMS on: 2/27/2008
- Fee/State wells attached to bond in RBDMS on: 2/27/2008
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: 2/27/2008

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB000296
- Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 8030575893
- 3b. The **FORMER** operator has requested a release of liability from their bond on: 2/22/2008
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

NAE, LLC

3. ADDRESS OF OPERATOR:

16800 Imperial Valley Dr.

CITY

Ste. 380 HOUSTON

STATE

TX

ZIP

77060

PHONE NUMBER:

(281) 931-8933

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐

NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☐

SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐

ACIDIZE

☐

ALTER CASING

☐

CASING REPAIR

☐

CHANGE TO PREVIOUS PLANS

☐

CHANGE TUBING

☐

CHANGE WELL NAME

☐

CHANGE WELL STATUS

☐

COMMINGLE PRODUCING FORMATIONS

☐

CONVERT WELL TYPE

☐

DEEPEN

☐

FRACTURE TREAT

☐

NEW CONSTRUCTION

☒

OPERATOR CHANGE

☐

PLUG AND ABANDON

☐

PLUG BACK

☐

PRODUCTION (START/RESUME)

☐

RECLAMATION OF WELL SITE

☐

RECOMPLETE - DIFFERENT FORMATION

☐

REPERFORATE CURRENT FORMATION

☐

SIDETRACK TO REPAIR WELL

☐

TEMPORARILY ABANDON

☐

TUBING REPAIR

☐

VENT OR FLARE

☐

WATER DISPOSAL

☐

WATER SHUT-OFF

☐

OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

NAE, LLC will be assuming all plugging and reclamation liabilities for the wells on the schedule attached hereto.

Effective Date: 2/12/08

Federal Bond Number: UTB000296

State Bond Number: 8030575893

Name: Tidewater Oil & Gas Company LLC. Address: 110 16th St., Ste 1200, Denver, CO 80202

Signature:

Title:

Date:

02/21/08

NAME (PLEASE PRINT)

MICHAEL CORWISH

TITLE

MANAGER NAE

SIGNATURE

DATE

2/13/08

(This space for State use only)

APPROVED

2/27/08

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

FEB 22 2008

DIV. OF OIL, GAS & MINING

well_name	sec	twp	rng	api	entity	lease	well	stat
FEDERAL MSC 26-1	26	210S	190E	4301931407	14785	Federal	GW	S
FEDERAL 7-34-2122	07	210S	220E	4301931484		Federal	OW	APD
BLACK HAT FED 18-43-2224	18	220S	240E	4301931495		Federal	OW	APD
OLD SAGERS FED 13-32-2222	13	220S	220E	4301931497		Federal	OW	APD
STATE 1-32	32	210S	190E	4301931394	13598	State	OW	PA
STATE 21-19 (32-16D)	32	210S	190E	4301931399	13903	State	OW	TA
STATE MSC 16-1	16	210S	200E	4301931401	14166	State	OW	S
STATE MSC 35-1	35	210S	190E	4301931404	14259	State	GW	S
N THOMPSON 2-1	02	210S	200E	4301931412	14376	State	GW	OPS
TIDEWATER ST 23-5	23	210S	230E	4301931466	16258	State	OW	PA
TIDEWATER ST 23-2	23	210S	230E	4301931467		State	GW	APD
TIDEWATER ST 23-1	23	210S	230E	4301931468		State	GW	APD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	* Please see attached schedule *
API number:	
Location:	
Company that filed original application:	Tidewater oil + Gas Company
Date original permit was issued:	
Company that permit was issued to:	

Check one	Desired Action:
<input type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		<input checked="" type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?		<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. 8030575893	<input checked="" type="checkbox"/>	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Michael Cornish Title MANAGER
Signature [Signature] Date 2-26-08
Representing (company name) NAE, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

(3/2004)

RECEIVED

FEB 26 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Dry Hole</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 46760
2. NAME OF OPERATOR: NAE, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 110 16th Street, Suite 1220 Denver CO 80202		7. UNIT or CA AGREEMENT NAME: NA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1270' FNL & 800' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 16 21S 20E		8. WELL NAME and NUMBER: Solaris State 21-19 #32-16D
PHONE NUMBER: (303) 327-7169		9. API NUMBER: 4301931399
		10. FIELD AND POOL, OR WILDCAT: Wildcat
		COUNTY: Grand
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>8/29/2008</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

NAE proposes to P&A the Solaris 21-19 (#32-16D) well and reclaim the location in a timely manner to reseed the location prior to Winter of 2008. Current open perforations are from 3879'-3898', 3070'-3090', and 2714'-2734'. NAE proposes setting 100' Class 'G' cement plugs mixed at 15.8 ppg with a yield of 1.15 cf/sx across each set of perforations. In addition, NAE proposes setting a 100' surface plug with the same cement blend. NAE will then cut off the existing casing 3' BGL, install a dryhole marker, and commence reclaiming the location pursuant to the requirements of the State of Utah and the Surface Use Agreement.

NAE would like to commence these P&A and reclamation procedures as soon as possible in order to reseed the reclaimed location prior to first frost. NAE currently has a rig on the Federal MSC 26-1 well to perform similar operations, and would like to move that rig over to the Solaris State 21-19 #32-16D directly from that location.

* SEE Amended Wellbore Diagram and
Plugging Plan (Attached) DKO 9/3/08

COPY SENT TO OPERATOR

Date: 9.8.2008

Initials: KS

NAME (PLEASE PRINT) <u>Walter D. Lowry</u>	TITLE <u>Operations Manager</u>
SIGNATURE <u>[Signature]</u>	DATE <u>8/22/2008</u>

(This space for State use only)

* APPROVED BY THE STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

* See conditions of Approval (Attached)

RECEIVED

AUG 25 2008

DIV. OF OIL, GAS & MINING

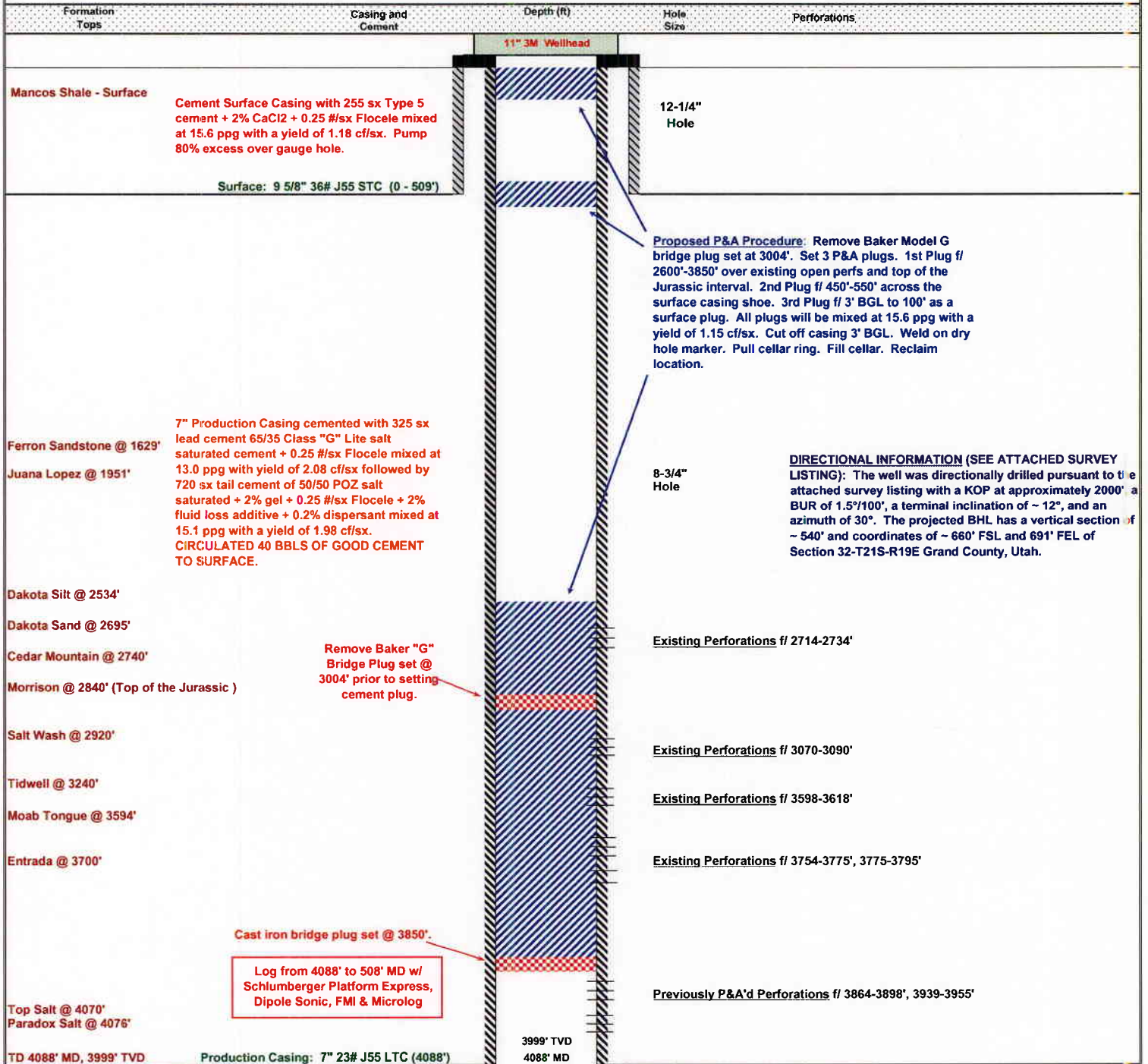
DATE: 9/3/08
BY: [Signature]

Solaris State 21-19 #32-16D Well Construction Diagram for P&A Approval

Well: Solaris State 21-19 #32-16D
Well Type: Directional
API Number: 43-019-31399
Surface Location: 122' FSL & 994' FEL
Bottom Hole Location: 660' FSL & 691' FWL
Total Depth: 4088'
Proposed P&A Date: 03 September 2008
Author-Version-Date: W. Lowry - Version 1 - 30 August 2008



S-T-R: Sec 32-T21S-R19E
Field: Wildcat
Lease Number ML-47441
Elevation (ft): 4,818'
KB to GL (ft): 12'
RKB (ft): 4,830'
Objectives: P&A well & reclaim surface



Proposed P&A Procedure: Remove Baker Model G bridge plug set at 3004'. Set 3 P&A plugs. 1st Plug f/ 2600'-3850' over existing open perms and top of the Jurassic interval. 2nd Plug f/ 450'-550' across the surface casing shoe. 3rd Plug f/ 3' BGL to 100' as a surface plug. All plugs will be mixed at 15.6 ppg with a yield of 1.15 cf/sx. Cut off casing 3' BGL. Weld on dry hole marker. Pull cellar ring. Fill cellar. Reclaim location.

DIRECTIONAL INFORMATION (SEE ATTACHED SURVEY LISTING): The well was directionally drilled pursuant to the attached survey listing with a KOP at approximately 2000' a BUR of 1.5"/100', a terminal inclination of ~ 12°, and an azimuth of 30°. The projected BHL has a vertical section of ~ 540' and coordinates of ~ 660' FSL and 691' FEL of Section 32-T21S-R19E Grand County, Utah.

APPROVALS

Prepared By:
Walter D. Lowry

03 September 2008

Approved By:

Wellbore Diagram

API Well No: 43-019-31399-00-00

Permit No:

Well Name/No: STATE 21-19 (32-16D)

Company Name: NAE, LLC

Location: Sec: 32 T: 21S R: 19E Spot: SESE

Coordinates: X: 600827 Y: 4310081

Field Name: WILDCAT

County Name: GRAND

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (f/cf)
HOL1	508	12.25			
SURF	508	9.625	36		
HOL2	4088	8.75			
PROD	4088	7	23		4.524

Surface: 9.625 in. @ 508 ft.

Hole: 12.25 in. @ 508 ft.

Cement from 509 ft. to surface

Plug #3
from 100' to surface
100' / (1.15) = 20 SK
req.

Plug #2
from 550 to 450'
100' / (1.15) (4.524) = 20 SK
req.

Cement Information

*Tag

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	4088	0	35	325
PROD	4088	0	50	720
SURF	509	0		

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
3864	3955			
3598	3795			
3070	3090			
2714	2734			

Plug #1

If cannot remove BP@3004'
require plug from 3004' to 2600'
304' / (1.15) (4.524) = 24 SK
req.

*Tag

If Remove BP@3004'

Propose 3850' to 2600'

1250' / (1.15) (4.524) = 240 SK
req.

Formation Information

Formation	Depth
FRSD	1629
DKTA	2695
CDMTN	2740
MRSN	2840
SLTW	2920
MOATN	3594
ENRD	3700
PRDX	4070

Cement from 4088 ft. to surface

Production: 7 in. @ 4088 ft.

Cement 3850' to 4088 ft.

Hole: 8.75 in. @ 4088 ft.

TD: 4054 TVD: 4003 PBD:



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number: Solaris State 21-19 #32-16D
API Number: 43-019-31399
Operator: NAE, LLC
Reference Document: Original Sundry Notice dated August 22, 2008,
received by DOGM on August 25, 2008.

Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Mark Jones at 435-820-8504.
2. **Every attempt shall be made to recover the bridge plug @ 3004'. If it can be removed, a plug shall be placed from the CIBP @ 3850' to 2600' (± 240 sx) as proposed in the wellbore schematic plan. If the bridge plug cannot be removed, a 404' plug shall be placed on top of the plug from 3004' to 2600' (± 78 sx). This should isolate the mainly Entrada non-productive zones below from the Dakota, Morrison and Mancos formations above.**
3. Plugs # 1 & 2 shall be tagged to ensure they are at the approved depths.
4. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration. Evidence of compliance with this rule should be supplied to the Division upon completion of reclamation.
5. All annuli shall be cemented from a minimum depth of 100' to the surface.
6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
7. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet
Petroleum Engineer

September 3, 2008
Date



FORM 8

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>		GAS WELL <input type="checkbox"/>		DRY <input checked="" type="checkbox"/>		OTHER _____		7. UNIT or CA AGREEMENT NAME NA																																																																							
b. TYPE OF WORK:		NEW WELL <input type="checkbox"/>		HORIZ. LATS. <input type="checkbox"/>		DEEP-EN <input type="checkbox"/>		RE-ENTRY <input type="checkbox"/>		8. WELL NAME and NUMBER: Solaris State 21-19 #32-16D																																																																							
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2. NAME OF OPERATOR: NAE, LLC										10. FIELD AND POOL, OR WILDCAT Wildcat																																																																							
3. ADDRESS OF OPERATOR: 110 16th St. Ste. 1220 CITY Denver STATE CO ZIP 80202										PHONE NUMBER: (303) 327-7169																																																																							
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 122 FSL, 994 FEL Sec 32-T21S-R19E AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH: 556 FSL, 679 FEL Sec 32-T21S-R19E										11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 21S 19E																																																																							
										12. COUNTY Grand																																																																							
										13. STATE UTAH																																																																							
14. DATE SPUDDED: 9/6/2003		15. DATE T.D. REACHED:		16. DATE COMPLETED: 10/13/2003		ABANDONED <input type="checkbox"/>		READY TO PRODUCE <input type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL): 4818' ungraded																																																																							
18. TOTAL DEPTH: MD 4,088 TVD 4,000		19. PLUG BACK T.D.: MD 3,004 TVD 2,980		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD 3,004 PLUG SET: TVD 2,980																																																																											
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Platform Express- Triple Detector Density- Compensated Neutron										23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)																																																																							
24. CASING AND LINER RECORD (Report all strings set in well)																																																																																	
<table><tr><td>HOLE SIZE</td><td>SIZE/GRADE</td><td>WEIGHT (#/ft.)</td><td>TOP (MD)</td><td>BOTTOM (MD)</td><td>STAGE CEMENTER DEPTH</td><td>CEMENT TYPE & NO. OF SACKS</td><td>SLURRY VOLUME (BBL)</td><td>CEMENT TOP **</td><td>AMOUNT PULLED</td></tr><tr><td>12.25</td><td>9.625 K55</td><td>36</td><td>0</td><td>508</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8.75</td><td>7" J55</td><td>23</td><td>0</td><td>4,088</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>												HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED	12.25	9.625 K55	36	0	508						8.75	7" J55	23	0	4,088																																													
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29. ENCLOSED ATTACHMENTS:																																																																																	
30. WELL STATUS:																																																																																	
<table><tr><td><input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS</td><td><input type="checkbox"/> GEOLOGIC REPORT</td><td><input type="checkbox"/> DST REPORT</td><td><input checked="" type="checkbox"/> DIRECTIONAL SURVEY</td></tr><tr><td><input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION</td><td><input type="checkbox"/> CORE ANALYSIS</td><td><input type="checkbox"/> OTHER: _____</td><td></td></tr></table>												<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS	<input type="checkbox"/> GEOLOGIC REPORT	<input type="checkbox"/> DST REPORT	<input checked="" type="checkbox"/> DIRECTIONAL SURVEY	<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> OTHER: _____																																																															
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<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> OTHER: _____																																																																															
Shut-in																																																																																	

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG PRESS	CSG. PRESS	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG PRESS	CSG. PRESS	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG PRESS	CSG. PRESS	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG PRESS	CSG. PRESS	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Ferron Sandstone	1,629	1,951		Ferron Sandstone	1,629
Dakota Sandstone	2,695	2,740		Juana Lopez	1,951
Morrison	2,840	2,920		Dakota Sandstone	2,695
Salt Wash	2,920	3,240		Cedar Mountain	2,740
Moab Tongue	3,594	3,700		Morrison	2,840
Entrada	3,700	4,070		Salt Wash	2,920
Paradox Salt	4,076	4,088		Tidwell	3,240
				Moab Tongue	3,594
				Entrada	3,700
				Top Salt	4,070

35. ADDITIONAL REMARKS (Include plugging procedure)

Will submit a Sundry after P&A operations are complete. See P&A Schematic for proposed P&A procedure.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Walter D. LowryTITLE Operations ManagerSIGNATURE DATE 9/2/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- re completing to a different producing formation
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

**Directional LLC**

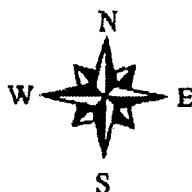
259 South Center St. Ste. 305
Casper, Wyoming 82601
Ph. 307-237-3130
Fx. 307-237-3136

Survey Calculation SheetCompany **Solaris Exploration**Well **State 21-19 # 32-160**

Field

Rig **Excell # 14**Dir. LLC Rep. **Marchwick / Correa**Mag. Decl. **11.20**Target TVD **4886**Target Az. **31.83**Tgl. Coord. **1**

Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B/D.	R/L	BHA
File - In													1
	1	135	2.0	109.0	135	134.97	0.64	0.65 S	2.26 E	1.48	1.48	76.52	1
	2	250	2.6	109.0	115	249.88	1.87	1.89 S	6.80 E	0.43	0.43		1
	3	345	3.0	109.0	95	344.77	3.12	3.15 S	10.89 E	0.53	0.53		1
	4	463	3.0	109.0	118	462.61	4.80	4.85 S	18.92 E				1
	5	518	4.4	109.0	88	517.50	5.77	5.83 S	20.33 E	2.55	2.55		1
	6	579	4.5	103.8	61	578.31	7.15	7.05 S	24.91 E	0.31	0.16	-3.44	1
	7	642	4.8	119.4	63	641.11	8.41	8.52 S	29.67 E	0.83	0.16	10.32	1
	8	705	4.7	102.5	63	703.91	9.77	9.95 S	34.56 E	1.05	0.16	-12.86	1
16-Sep	9	768	4.8	92.5	63	766.89	11.93	10.51 S	39.72 E	1.32	0.16	-15.87	1
	10	830	5.0	85.5	62	828.47	14.81	10.51 S	45.00 E	0.98	0.32	-10.81	1
	11	889	4.8	77.5	59	887.25	18.05	9.78 S	49.98 E	1.22	-0.34	-13.73	1
	12	952	4.7	73.5	63	950.03	21.83	8.46 S	55.02 E	0.87	-0.16	-6.67	1
	13	1015	4.8	70.7	63	1012.82	25.83	6.83 S	59.97 E	0.45	0.16	-5.08	1
	14	1078	4.9	69.8	63	1076.89	30.02	5.00 S	64.98 E	0.18	0.16	-0.48	1
	15	1138	4.9	66.0	60	1135.37	34.11	3.15 S	69.76 E	0.26		-3.00	1
	16	1198	6.5	49.2	60	1195.08	39.42	0.03 N	74.71 E	4.05	2.67	-31.33	1
	17	1261	7.3	44.4	63	1257.82	46.73	5.22 N	80.21 E	1.56	1.27	-7.62	1
	18	1325	8.4	46.8	64	1321.17	54.15	10.58 N	85.63 E	1.45	-1.41	3.13	1
	19	1388	6.2	46.2	63	1383.79	60.80	15.22 N	90.75 E	0.58	-0.32	4.44	1
	20	1451	5.8	51.5	63	1446.45	66.93	19.35 N	95.74 E	1.04	-0.95	4.13	1
17-Sep	21	1514	5.9	41.5	63	1509.14	72.87	23.27 N	100.69 E	0.48	0.48	-0.48	1
	22	1576	5.7	48.0	62	1570.82	78.81	27.27 N	106.51 E	0.52	-0.32	-4.03	1
	23	1637	5.9	45.1	61	1631.51	84.78	31.47 N	110.02 E	0.72	0.33	-6.39	1
	24	1700	5.9	37.1	63	1694.17	91.13	35.33 N	114.28 E	1.28		-12.22	1
	25	1761	8.2	34.0	61	1764.83	97.54	41.52 N	118.06 E	0.67	0.49	-4.26	1
	26	1822	6.2	22.5	61	1815.48	104.08	47.27 N	121.20 E	2.17		-20.76	1
	27	1885	5.8	18.1	63	1878.13	110.54	53.43 N	123.51 E	0.93	-0.63	-6.51	1
18-Sep	28	1946	6.2	23.0	61	1938.80	116.79	59.39 N	125.77 E	1.02	0.68	7.54	2
	29	2009	7.0	26.1	63	2001.38	123.97	65.96 N	128.80 E	1.40	1.27	5.24	2
	30	2070	8.0	30.9	61	2061.86	131.92	72.94 N	132.63 E	1.91	1.64	7.54	2
	31	2131	8.9	32.3	61	2122.20	140.88	80.57 N	137.33 E	1.51	1.48	2.30	2
	32	2194	9.3	31.5	63	2184.40	150.84	89.03 N	142.80 E	0.86	0.63	-1.11	2
	33	2255	9.8	31.1	61	2244.56	160.95	97.67 N	147.86 E	0.83	0.62	-0.82	2
	34	2317	10.9	31.1	62	2305.55	172.10	107.20 N	153.82 E	1.77	1.77	0.18	2
	35	2381	11.3	30.2	64	2366.35	184.42	117.80 N	159.91 E	0.69	0.63	-1.58	2
	36	2445	11.3	27.9	64	2431.11	196.94	128.77 N	166.97 E	0.80		-4.06	2
	37	2507	11.6	23.1	62	2491.88	209.17	139.85 N	171.31 E	1.28	0.48	-5.97	2
19-Sep	38	2570	12.0	23.7	63	2553.55	221.93	151.64 N	176.51 E	0.64	0.63	-0.32	2
	39	2632	12.5	25.1	62	2614.14	234.98	163.61 N	181.98 E	0.99	0.81	2.74	2
20-Sep	40	2698	12.0	24.9	63	2675.70	248.25	175.70 N	187.86 E	0.81	-0.79	-0.79	2
	41	2757	11.6	21.7	62	2736.39	260.76	187.36 N	192.63 E	1.38	-0.65	-5.97	2
	42	2819	11.6	16.1	62	2797.13	272.98	199.07 N	196.90 E	0.75		-3.71	2
	43	2881	11.5	23.3	62	2857.87	285.17	210.65 N	201.36 E	1.40	-0.16	6.94	2
	44	2944	12.1	28.1	64	2918.51	297.84	224.94 N	206.48 E	0.78	0.44	6.99	2

**Directional LLC**

259 South Center St. Ste #306
Casper, Wyoming 82401
Ph. 307-237-3130
Fx. 307-237-3135

Survey Calculation SheetCompany Solaris ExplorationWell State 21-19 # 32-16D

Field _____

Rig Excell # 14Dir. LLC Rep. Marchwick / CorreaMag. Decl. 11.20Target TVD 4888Target Az. 31.83Tgt. Coord. 1

Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B/D.	R/L	BHA
Tie - In													1
	45	3006	12.0	25.6	63	2980.26	310.38	233.70 N	212.04 E	0.49	0.48	0.48	2
	46	3069	11.7	25.4	63	3041.92	323.24	245.37 N	217.61 E	0.48	-0.48	-0.32	2
	47	3131	12.0	25.4	62	3102.60	335.89	256.87 N	223.07 E	0.48	0.48		2
	48	3193	12.0	26.7	62	3163.24	348.71	268.46 N	228.73 E	0.44		2.10	2
	49	3256	12.5	27.5	63	3224.81	362.04	280.35 N	234.83 E	0.66	0.79	1.43	2
21-Sep	50	3319	12.5	28.1	63	3286.32	375.62	292.51 N	240.89 E	0.52		-2.38	2
	51	3382	12.7	28.6	63	3347.80	389.29	304.87 N	247.00 E	0.33	0.32	-0.48	2
	52	3445	12.9	26.3	63	3409.23	403.18	317.41 N	253.13 E	0.36	0.32	0.78	3
	53	3508	13.4	29.0	61	3468.63	417.01	329.69 N	259.68 E	1.30	0.82	4.43	3
22-Sep	54	3571	13.6	32.0	66	3531.84	432.18	342.76 N	267.28 E	1.12	0.31	4.62	3
23-Sep	55	3632	12.8	31.2	61	3591.23	446.11	354.82 N	274.88 E	1.35	-1.31	-1.31	3
	56	3695	13.0	29.7	63	3652.64	460.17	366.75 N	281.70 E	0.62	0.32	-2.38	3
	57	3758	13.0	27.0	63	3714.02	474.31	379.22 N	288.43 E	0.98		-4.29	3
	58	3820	12.4	23.4	62	3774.51	487.84	391.64 N	294.24 E	1.60	-0.97	-5.81	3
	59	3883	12.4	21.8	63	3836.04	501.19	404.03 N	299.44 E	0.55		-2.54	3
25-Sep	60	3947	12.4	21.8	64	3898.54	514.73	416.78 N	304.54 E				5

Temples Oil Well Service, Inc.

P.O. Box 765 • Vernal, Utah 84078
(435) 789-2760 • Fax: (435) 781-1540

NO 10603

TERMS: NET 30 DAYS
1 1/2 % PER MONTH WILL BE
CHARGED AFTER 30 DAYS

To: Solaris Exploration

Rig No. 2

Date: 10-13-03

Address:

Lease: STATE 21-19

Well No. 32-16 D

Customer Order No.

Pull Out of Hole

Ran in Hole

Joins	Feet	Description	Material	Description	Joins	Feet
			Polish Rod			
graco	SPS/TIW	185.00				
	TUNGS	100.00	Pony Rod			
	FOUR	20.00	Rods			
SCHUMBERGER	10.697 43		Rods			
PER	1.200 00		Rods			
R.G	4142.18		Pumps			

DESCRIPTION OF WORK PERFORMED:

Pusher Requested Amount

Operator Dave Ireland 13 Hours

Derrickman Bill Young 13 Hours

Floorman Oscar Williams 13 Hours

Floorman Dallas Richins 13 Hours

Extra Labor

Rig Hours Unit, Crew Chief 3 Men 12 Hours @ 200.00 2400.00

Crew Travel Time 1 Hours @ 130.00 130.00

Class A Circ Equipment 4 Hours @ 70.00 280.00

Class A Circ Tank Hours @

Pusher Mike Brewer 12 Hours @ 30.00 360.00

Pusher Travel 1 Hours @ 40.00 40.00

Pick up Charge NC @ - day -

Diesel Fuel 50 gallons @ 1.50 /Gal 75.00

Crew Subsistence 5 men @ 100.00 /Man 500.00

Wet String men @ /Man

Trailer House NC @ - Day -

MYT Slip Type Elevators @ /Day

2 1/16 - 1.9 Dies & Slips @ /Day

Rod Fishing Tool Trip @

Tag Dies Foster BJ Peck @ /Each

Slips 2 1/16 2 1/8 2 3/8 2 1/2 1 SET @ 150.00 /Each 150.00

Oil Saver Rubbers 2 @ 14.00 /Each 28.00

Swab Cops 1 1/4 1 1/2 2 1/2 2 3/8 2 1/2 4 @ 27.00 /Each 108.00

Pipe Wiper Rubber 9' 12' 17' @ /Each

Rod Wiper Rubber Pigtail Disc @ /Each

Communication Charge 3 Phones @ 50.00 /Day 150.00

Miscellaneous Charges

Runs Swabbed & wellbore recovered 15 BRIS R/LU PUMP 71162 709

Broke down well AT 1800' Back to 1400' 2 BRIS 10812 TSIR 900' Bored

of well R/LU wellbore starting F.L. surface made 4 RUNS 17 BRIS

SHUT WELL IN.

APPROVED BY: 1:00PM 7:30PM CREW TRAVEL

Sales Tax 9.18

Total 4142.18

Temples Oil Well Service, Inc.

P.O. Box 765 • Vernal, Utah 84078
(435) 789-2760 • Fax: (435) 781-1540

NO 10602

TERMS: NET 30 DAYS
1 1/2 % PER MONTH WILL BE
CHARGED AFTER 30 DAYS

To: Solaris Exploration

Rig No. 2

Date: 10-12-03

Address:

Lease: STATE 21-19 Well No. 32-160

Customer Order No.

Pull Out of Hole

Ran in Hole

Joints	Feet	Description	Material	Description	Joints	Feet
			Polish Rod			
gauge	ROD/TIN	185.00				
	TRUCKS	40.00	Pony Rod			
	TOWEL	20.00	Rods			
SCHUMMER	5759.02		Rods			
	PPE	120.00	Rods			
	RIG	3746.18	Pumps			

DESCRIPTION OF WORK PERFORMED:

		Pusher Requested		Amount
6:30AM	7:00AM	Operator <u>Dale Ireland</u>	12 Hours	
7:00AM	7:05AM	Derrickman <u>Bill Young</u>	12 Hours	
		Floorman <u>OSCAR WILLIAMS</u>	12 Hours	
		Floorman <u>DALLAS R. CHINS</u>	12 Hours	
7:05AM	10:30AM	Extra Labor		
		Rig Hours Unit, Crew Chief <u>3</u> Men <u>11</u> Hours @ <u>206.00</u>		<u>2266.00</u>
		Made 2 Runs Recovered	Crew Travel Time <u>1</u> Hours @ <u>130.00</u>	<u>130.00</u>
		13 BBIS waited 1/2 hour	Class <u>A</u> Circ Equipment <u>4</u> hours @ <u>70.00</u>	<u>280.00</u>
		150' of entry traced oil light	Class <u>A</u> Circ Tank	Hours @
		945 BBIS waited 1 hour	Pusher <u>MIKE REWER</u> <u>04</u> hours @ <u>72.00</u>	<u>300.00</u>
		Had 300' entry 1.75 BBIS	Pusher Travel <u>1</u> Hours @ <u>40.00</u>	<u>40.00</u>
		waited 1" Recovered 1 1/2 BBIS	Pick up Charge	@ day
10:30AM	12:30AM	RID Swab R.H. to Plug Pulled	Diesel Fuel <u>50</u> gallons @ <u>150.00</u> /Gal	<u>15.00</u>
		Plug to 3650' set PKI at 3550'	Crew Subsistence <u>5</u> men @ <u>100.00</u> /Man	<u>500.00</u>
		2 1/2" CTB w/ 20 BBIS broke down	Wet String	men @ /Man
		PKI at 260' closed w/ 5 BBIS	Trailer House	@ /Day
		at 1100' is IP 700' Made 4	MYT Slip Type Elevators	@ /Day
		Runs swabbed well dry	2 1/16 - 1.9 Dies & Slips	@ /Day
12:30PM	2:00PM	RID Swab Released Plug	Rod Fishing Tool	Trip @
		PKI POOH	Tong Dies Foster BJ Peck	@ /Each
2:00PM	3:00AM	RIG WIRELINE SHOOT NEW	Slips Inserts 2 1/2 2 1/2 3 1/2	@ /Each
		zone 3775 - 3795 RID	Oil Saver Rubbers <u>2</u> @ <u>14.00</u> /Each	<u>28.00</u>
3:00AM	6:00AM	R.H. w/ PKI Plug RDP AT 3912	Swab Cups 1 1/4 1 1/2 2 1/2 3 1/2	Wipe Rubber 4 @ <u>27.00</u> /Each
		PKI AT 3708' RIG Swab	Pipe Wiper Rubber 9" 12" 17"	@ /Each
		starting F.L. 1500' Made 2	Rod Wiper Rubber Pigtail Disc	@ /Each
		Runs swabbed well dry	Communication Charge	@ <u>50.00</u> /Day
		Recovered 14 BBIS waited	Miscellaneous Charges	
		1 hour Had NO IDENTIFY		
		SHUT DOWN		
6:00AM	6:30PM	Crew Travel		
APPROVED BY:		Sales Tax <u>9.18</u>		
		Total <u>3780.18</u>		

Temples Oil Well Service, Inc.

P.O. Box 765 • Vernal, Utah 84078
(435) 789-2760 • Fax: (435) 781-1540

NO 10601

TERMS: NET 30 DAYS
1 1/2 % PER MONTH WILL BE
CHARGED AFTER 30 DAYS

To: Solaris Exploration

Rig No. 2

Date: 10-11-03

Address:

Lease: STATE 21-19

Well No. 32-16D

Customer Order No.

Pull Out of Hole

Ran in Hole

Joints	Feet	Description	Material	Description	Joints	Feet
91060	ROPSHAW	185.00	Polish Rod			
	TONKS	40.00	Poney Rod			
	TOILET	20.00	Rods			
SEWARTHERGER		10717.50	Rods			
R. G.		2919.60	Rods			
DR. 17		14884.92	Pumps			

DESCRIPTION OF WORK PERFORMED:

Pusher Requested

Amount

6:30AM	7:00AM	Crew Travel	Operator Dave Treland	15 Hours	
7:00AM	7:05AM	Safety Meeting: Wearing	Derrickman Bill Young	13 Hours	
		Derrick Belt All Time When	Floorman Oscar Williams	13 Hours	
		IN THE DERRICK	Floorman Dallas Richins	13 Hours	
7:05AM	9:30AM	SITP 0 th S.C.P. 0 th R.H	Extra Labor		
		W/Sand Line Starting F.L	Rig Hours Unit, Crew Chief 3 Men	12 Hours @ 206.00	2472.00
		1500' CONT. TO SWAB D.W.L.S	Crew Travel Time	1 Hours @ 130.00	130.00
		Made 15 RUN'S SWAB	Class A Circ Equipment	4 m.m. Hours @ 70.00	280.00
		Well down to 3200'	Class A Circ Tank	Hours @	
9:30AM	10:30AM	R/D SWAB R/H TONGS	Pusher Mike Brewer	Day Hours @ 300.00	300.00
		POOH W/278 TRG	Pusher Travel	1 Hours @ 40.00	40.00
10:30AM	12:00PM	R/H Wireline TO PERF	Pick up Charge	N.C. @ N.C. day	
		NEW ZONE EDM 3754-75	Diesel Fuel	50 gallons @ 1.50 /Gal.	75.00
		R/D Wireline	Crew Substance	5 men @ 100.00 /Man	500.00
12:00PM	1:00PM	R.H W/PK 3278 SET AT 300'	Wet String	men @ /Man	
1:00PM	3:00PM	R/H SWAB F.L 2900' Made	Trailer House	N.C. @ N.C. /Day	
		1 RUN SWAB Well Day	MYT Slip Type Elevators	@ /Day	
		R/H PUMP LINES PLUMBED	2 1/16 - 1.9 Dies & Slips	@ /Day	
		TRG Well Bore AT 2900'	Rod Fishing Tool	Trip @	
		Injection Rate of 2 1/2 RPM	Tong Dies Foster BJ Pack	@ /Each	
		AT 1500 th is IP 500 th R/H	Slips Inserts 2 1/4 2 1/4 3 1/4	@ /Each	
		SWAB F.L Surface Made 5	Oil Saver Rubbers	1 @ 14.00 /Each	14.00
		RUNS RECOVERED 2 3/4 RBIS	Swab Cups 1 1/4 1 1/2 2 1/2 3 1/2	2 @ 27.00 /Each	54.00
		SEENA LIGHT SHOW OF GRS	Pipe Wiper Rubber 9" 12" 17"	@ /Each	
3:00PM	4:00PM	R/D SWAB Released PKT ANH	Rod Wiper Rubber Pigtail Disc	@ /Each	
4:00PM	5:30PM	R/H Wireline PERF ZONE	Communication Charge	3 Phones @ 50.00 /Day	50.00
		3548-3618 R/D Wireline	Miscellaneous Charges		
5:30PM	7:00PM	R.H W/PK 3278 RDP SET AT 300'			
		3012 PKT 3556 R/H SWAB SHUT WELL IN.			
7:00AM	7:30PM	Crew Travel			

APPROVED BY:

Sales Tax 4.60

Total 3919.60

NO 9850

Temples Oil Well Service, Inc.

P.O. Box 765 • Vernal, Utah 84078
(435) 789-2760 • Fax: (435) 781-1540TERMS: NET 30 DAYS
1 1/2 % PER MONTH WILL B.
CHARGED AFTER 30 DAY:To: Solaris ExplorationRig No. 2Date: 10-10-03

Address:

Lease: State 21-19 Well No. 32-160

Customer Order No.

Pull Out of Hole

Ran In Hole

Joints	Feet	Description	Material	Description	Joints	Feet
GROUP	ROP TIL	185.00	Polish Rod			
Baker	LIBP	1200.00				
	TRINKS	40.00	Poney Rod			
	TO LET	20.00	Rods			
	RPT	1200.00	Rods			
	R. 9	2463.59	Rods			
	TOTAL	5098.59	Pumps			

DESCRIPTION OF WORK PERFORMED:

Pusher Requested

Amount

Operator Dave Ireland 13 HoursDerrickman Bill Young 13 HoursFloorman DSCAR WILLIAMS 13 HoursFloorman DALLAS RICHINS 13 Hours

Extra Labor

Rig Hours Unit, Crew Chief & 3 Men 6 Hours @ 200.00 1200.00Crew Travel Time 1 Hours @ 130.00 130.00

Class _____ Circ Equipment _____ Hours @ _____

Class _____ Circ Tank _____ Hours @ _____

Pusher MIKE RIEWER DAY Hours @ 300.00 300.00Depth Charge PUSHER TRAVEL 1 Hours @ 400.00 400.00

Rod Fishing Tools _____ Trip @ _____

Diesel Fuel 50 Gallons @ 1.50 /Gal. 75.00Crew Subsistence 5 Men @ 100.00 /Man 500.00

Wet String _____ Men @ _____ /Man

Trailer House _____ @ _____ /Day

MYT Slip Type Elevators _____ @ _____ /Day

2 1/16 - 1.9 Dies & Slips _____ @ _____ /Day

BOP's Accumulator _____ Day @ _____

Tong Dies Foster BJ Peck _____ @ _____ /Each

Slips Inserts 2% 2% 3% _____ @ _____ /Each

Oil Saver Rubbers 1 @ 14.00 /Each 14.00Swab Cups 1 1/4" 2 3/8" 2 1/2" 2 1/2" Sand Wiper Rubber 2 @ 27.00 /Each 54.00

Pipe Wiper Rubber 9" 12" 17" _____ @ _____ /Each

Rod Wiper Rubber Pigtail Disc _____ @ _____ /Each

MISCELLANEOUS CHARGES PHONE CHARGE 50.00 50.00PIPE JOPE 50.00 50.00

APPROVED BY:

Sales Tax 4.59TOTAL 2453.59

NO 9846

Temples Oil Well Service, Inc.

P.O. Box 765 • Vernal, Utah 84078
(435) 789-2760 • Fax: (435) 781-1540

TERMS: NET 30 DAYS
1 1/2 % PER MONTH WILL BE
CHARGED AFTER 30 DAYS

To: Solar's Exploration

Rig No. 2

Date: 10-7-03

Address:

Lease: STATE

Well No. 21-19 32-60

Customer Order No.

Pull Out of Hole

Run In Hole

Joints	Feet	Description	Material	Description	Joints	Feet
9160	BOPS	160.00	Polish Rod			
	T.W.	33.00				
Dowell	Schlumberger	3152.3	Pony Rod			
04160	KELVATER	1400.00	Rods			
	Rig	3496.18	Rods			
			Rods			
	Daily Cost	8246.31	Pumps			

DESCRIPTION OF WORK PERFORMED:

Pusher Requested

Amount

6:30AM	7:00AM	CREW TRAVEL	Operator	Dave Ireland	12	Hours	
7:00AM	7:05AM	SAFETY MEETING: BOPS	Derrickman	Bill Young	12	Hours	
		KEEP PRESSURED UP AT ALL TIMES	Floorman	Oscar Williams	12	Hours	
7:05AM	8:00AM	POOH W/ 2 3/8 TRG	Floorman	Dallas Richins	12	Hours	
8:00AM	11:30AM	R/H SCHLUMBERGER TC	Extra Labor				
		RUN GEN BAND 109	Rig Hours	Unit, Crew Chief & 3 Men	11	Hours @ 20.00	220.00
		BAND 109 SHOWED GOOD	Crew Travel Time		1	Hours @ 130.00	130.00
		CEMENT R/H 1094'S	Class	Circ Equipment		Hours @	
11:30AM	12:30AM	R/H W/ 2 3/8 TRG TC 4016'	Class	Circ Tank		Hours @	
12:30AM	1:00PM	TESTED 7" CSG & PIPE RAN	Pusher	Mike Brewer	Day	Hours @ 300.00	300.00
		TO 3,000' HELD FOR 15 MIN	Depth Charge	PUSHER TRAIL	1	Hours @ 40.00	40.00
		HELD "OK" RIED PRESSURE OFF	Rod Fishing Tools			Trips @	
1:00PM	5:30PM	R/H SWABED TO SWAB	Diesel Fuel		60	Gallons @ 1.50 /Gal.	90.00
		NOTE DOWN CSG STARTING	Crew Subsistence		5	Men @ 100.00 /Man	500.00
		FLUID NEAR AT BOTTOM	Wet String			Men @	/Man
		SWABED CSG DOWN TO	Trailing Hose	2 1/2" TUBING		/Day	
		3,600'	MYT Slip Type Elevators			/Day	
5:30PM	6:00AM	PUMPED 20 RBIS 490	2 1/16 - 1.9 Dies & Slips			/Day	
		KEL DOWN CSG SHUT	BOP's Accumulator			Day @	
		WELL IN.	Tong Dies	Foster B.J Peck		/Each	
6:00PM	6:30PM	CREW TRAVEL	Slips Inserts	2% 2% 3% B or C		/Each	
			Oil Saver Rubbers		2	@ 14.00 /Each	28.00
			Swab Cups	1 1/4 2 3/8 2 1/2 3 1/2 Sand Wing Rubber	4	@ 27.00 /Each	108.00
			Pipe Wiper Rubber	9" 12" 17"		/Each	
			Rod Wiper Rubber	Pigtail Disc		/Each	
			MISCELLANEOUS CHARGES	PHONE Charge	25.00		25.00

APPROVED BY:

Sales Tax 9.18

TOTAL 3496.18

9845

Temples Oil Well Service, Inc.

P.O. Box 765 • Vernal, Utah 84078
(435) 789-2760 • Fax: (435) 781-1540

TERMS: NET 30 DAYS
1 1/2 % PER MONTH WILL BE
CHARGED AFTER 30 DAYS

Q. Solaris exhalation

Rig No. 2

Date: 10-6-03

Lease: State

Well No. 21-19 32-150

Customer Order No.

Address:

Full Out of Hole

Ran in Hole

Pull Out of Hole							
Joints	Feet	Description	Material	Description	Joints	Feet	
	T-WEST	2415.00	TRUCKING	Polish Rod			
	GRACO	160.00	BoPs				
	White Horse	570.00	HOT SHOT	Pony Rod			
	B.G	3032.00	TEMPLES	Rods			
				Rods			
				Rods			
	DAILY COST	\$6177.00		Pumps			

DESCRIPTION OF WORK PERFORMED:

5:00AM	9:00AM	Crew Travel
9:00AM	11:00AM	M.R.U
11:00AM	12:00PM	N/H 50PS R/H Floor
12:00PM	4:00PM	C/O For 27E P/H 129
		INTS TAGGED TO 402K
		1612 15NT. R/H SW96
4:00PM	4:30PM	Crew Travel

Pusher Requested		Amount
Operator	Dave Ireland 11 1/2 Hours	
Derrickman	Bill Young 11 1/2 Hours	
Floorman	Oscar Williams 11 1/2 Hours	
Floorman	Dallas Richins 11 1/2 Hours	
Extra Labor		
Rig Hours	Unit Crew Chief & 3 Men 7 Hours @ 200.00	1400.00
Crew Travel Time	4 1/2 Hours @ 130.00	585.00
Class	Circ Equipment	Hours @
Class	Circ Tank	Hours @
Pusher	Mike Brewer Day Hours @ 300.00	300.00
Depth Charge	Pusher Travel 4 1/2 Hours @ 40.00	180.00
Rod Fishing Tools		Trip @
Diesel Fuel		Gallons @ /Gal.
Crew Subsistence	5 Men @ 100.00 /Man	500.00
Wet String		Man @ /Man
Trailer House		@ /Day
MYT Slip Type Elevators		@ /Day
2 1/16 - 1.9 Dies & Slips		@ /Day
BOP's Accumulator		Day @
Tong		@ /Each
Dies	Foster BJ Peck	@ /Each
Slips	2% 2% 3%	@ /Each
Inerts	B or C	@ /Each
Oil Saver Rubbers		@ /Each
Swab	1 1/4 2 3/8	Send Wire Rubber @ /Each
Cups	1 1/2" 2 7/8 2 1/8"	3 1/2" @ /Each
Pipe Wiper Rubber	9" 12" 17"	@ /Each
Rod Wiper Rubber	Pigtail Disc	@ /Each
MISCELLANEOUS CHARGES	Phone Charge 25.00	25.00

APPROVED BY:

Sales Tax

TOTAL 30.32 00

Summary of Perforations -

MOAB TONGUE

≡ 3598-3618

ENTRADA

≡ 3754-75

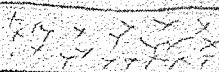
≡ 3775-95

CIBP @ 3850

≡ Perf 3864-98

≡ Perfs - 3939-55

PBD = 4026



7" 23# @ 4000

CURRENT Wellbore Configuration

10/12/03
DBG

Proposed Perfs:

2714 - 34

3070 - 90

Perfs @ 3598 - 3618

2 7/8 tubing

BAKER PACKER

Perf @ 3754 - 75

Perf @ 3775 - 95

BAKER G-PLUG @ 3812

CIBPE @ 3850

Perf @ 3864 - 98

PERFS @ 3939 - 55

FC @ 4026 / PBTD

7" @ 4088

Cost Summary - STATE 21-19 32-16D

Dtem	DATE	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13
ZIG		3032	3496	3402	3992	2454	3920	3786	
Iwest Trunk	2415								
Whitehorse Jct	570								
iron-Bols/7th	160		193	185	185	185	185	185	
TANKS -					120	40	40	40	
Toilet -				55	20	20	20	20	
Schlumberger			3157	5403	9143		10717	5759	
27 TBG	1300.0								
BAKER				1220	870	1200			
Galbo-KCL			1400						
Grinson				975					
consultants				4400		1200		1200	
Tubing est is estimate									
total	19177	8246	15610	14330	5098	14882	10990		
in Cost	19177	27423	43063	57393	62491	77373	88363		

Schlumberger

Company: **SOLARIS EXPLORATION**

Well: **STATE 21-19 #32-16D**

Field: **WILDCAT**

County: **GRAND** State: **UTAH**

PLATFORM EXPRESS - CLIENT SCALES

TRIPLE DETECTOR DENSITY

COMPENSATED NEUTRON

Field: WILDCAT Location: SHL: 122' FSL & 994' FEL SW SE Well: STATE 21-19 #32-16D Company: SOLARIS EXPLORATION	LOCATION	SHL: 122' FSL & 994' FEL SW SE SE		Elev.: K.B. 4830 ft G.L. 4818 ft D.F. 4829 ft
		Permanent Datum: <u>GROUND LEVEL</u>		Elev.: <u>4818 ft</u>
		Log Measured From: <u>KELLY BUSHING</u>		12.0 ft above Perm. Datum
		Drilling Measured From: <u>KELLY BUSHING</u>		
API Serial No. 43-019-31399		Section 32	Township 21S	Range 19E
Logging Date		26-Sep-2003		
Run Number		ONE		
Depth Driller		4088 ft		
Schlumberger Depth		4088 ft		
Bottom Log Interval		4086 ft		
Top Log Interval		508 ft		
Casing Driller Size @ Depth		9.625 in @ 509 ft		
Casing Schlumberger		508 ft		
Bit Size		8.750 in		
Type Fluid In Hole		KCL		
Density	Viscosity	9.5 lbm/gal	37 s	
Fluid Loss	PH	21 cm3	9	
Source Of Sample		CALCULATED		
M @ Measured Temperature		0.800 ohm.m @ 70 degF		@
MF @ Measured Temperature		1.200 ohm.m @ 70 degF		@
MC @ Measured Temperature		0.600 ohm.m @ 70 degF		@
Source RMF	RMC	CALCULATED	CALCULATED	
M @ MRT	RMF @ MRT	0.496 @ 117	0.744 @ 117	@ @
Maximum Recorded Temperatures		117 degF		
Circulation Stopped	Time	26-Sep-2003	0:30	
Logger On Bottom	Time	26-Sep-2003	8:45	
Init Number	Location	2143	ROCK SPRINGS	
Recorded By	S. WHITTAKER, D. LEMIEUX			
Witnessed By	K.BYTH, B. BLOCKMAN			



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

September 29, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6343

Mr. Walter Lowry
North American Exploration, LLC
110 16th Street, STE# 1220
Denver, CO 80202

21S 19E 32

Re: State 21-19 (32-16D) API 43-019-31399; State MSC 16-1 API 43-019-31401;
Cactus Rose MSC 2-1 API 43-019-31402; State MSC 35-1 API 43-019-31404;
N Thompson 2-1 API 43-019-31412
Extended Shut-in and Temporarily Abandoned Requirements for Wells on Fee or State Leases

Dear Mr. Lowry:

North American Exploration, LLC has five (5) Mineral Lease Wells (see Attachment A) that are currently in non-compliance for extended shut-in and temporary abandonment (SI/TA) status. It is understood that a couple of these wells have been or will be plugged shortly. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

For extended SI/TA consideration the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and



Page 2
September 29, 2008
Mr. Lowry

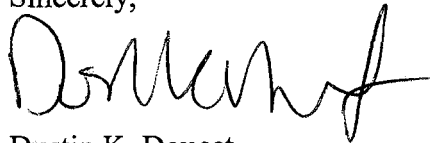
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

JP/js
Enclosure

cc: Jim Davis, SITLA
Compliance File
Well File

Attachment A

	Well Name	API	Lease Type	Years Inactive
1	STATE 21-19 (32-16D)	43-019-31399	ML-47441	4 Years 11 Months
2	STATE MSC 16-1	43-019-31401	ML-46760	3 Years 9 Months
3	CACTUS ROSE MSC 2-1	43-019-31402	ML-47721	2 Years 9 Months
4	STATE MSC 35-1	43-019-31404	ML-47576	3 Years 5 Months
5	N THOMPSON 2-1	43-019-31412	ML-46759	3 Years 10 Months



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 23, 2009

CERTIFIED MAIL NO.: 7005 0390 0000 7507 4238

Mr. Walter Lowry
North American Exploration, LLC
110 16th Street, STE# 1220
Denver, CO 80202

21S 19E 32

Subject: **SECOND NOTICE: Extended Shut-in and Temporarily Abandoned Requirements for Wells on Fee or State Leases**

State 21-19 (32-16D) API 43-019-31399; State MSC 16-1 API 43-019-31401;
Cactus Rose MSC 2-1 API 43-019-31402; State MSC 35-1 API 43-019-31404;
N Thompson 2-1 API 43-019-31412

Dear Mr. Lowry:

North American Exploration, LLC ("NAE") has five (5) Mineral Lease Wells (see Attachment A) that are currently in non-compliance for extended shut-in and temporary abandonment (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

Based on a sundry dated February 13, 2008 it was understood by the Division that NAE would be "assuming all plugging and reclamation liabilities" for the above listed wells. The N THOMPSON 2-1 well had a sundry dated July 18, 2008 with intent to plug and abandon (P&A). Condition of approval to P&A was sent to NAE July 22, 2008. The STATE 21-19 (32-16D) also had a sundry dated August 22, 2008 with intent to P&A. Condition of approval to plug this well was sent September 3, 2008. A notice of SI/TA status for wells listed (Attachment A) was sent via certified mail September 29, 2008. To date the Division has no record of the proposed work being done on these wells, nor received any such correspondence addressing the issue. Please address this matter promptly.



Page 2

North American Exploration, LLC

February 23, 2009

For extended SI/TA consideration the operator shall provide the Division with the following:

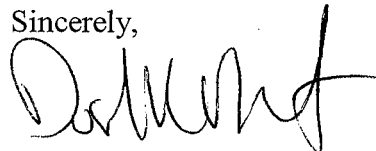
1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, a notice of violation will be issued. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/JP/js

Enclosure

cc: Jim Davis, SITLA

Compliance File

Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

Attachment A

	Well Name	API	Lease Type	Years Inactive
1	STATE 21-19 (32-16D)	43-019-31399	ML-47441	5 Years 3 Months
2	STATE MSC 16-1	43-019-31401	ML-46760	4 Years 2 Months
3	CACTUS ROSE MSC 2-1	43-019-31402	ML-47721	3 Years 2 Months
4	STATE MSC 35-1	43-019-31404	ML-47576	3 Years 10 Months
5	N THOMPSON 2-1	43-019-31412	ML-46759	4 Years 3 Months

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
NAE LLC

3. ADDRESS OF OPERATOR:
16800 Imperial Valley Dr., St CITY Houston STATE TX ZIP 77060

PHONE NUMBER:
(281) 931-8933

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1270' FNL & 800' FEL 0122 FSL 0994 FEL

COUNTY: Grand

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 16 21S 19E
SESE 32

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 9/2/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

* SEE ATTACHED P&A REPORT

RECEIVED
MAR 25 2009
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) LYNN FAUST

TITLE Agent

SIGNATURE L Faust

DATE 3-16-09

(This space for State use only)

Daily Operations Report

Date	9/2/2008
DFS	
DOL	
MD	
PBTD	

DOL	
MD	
PBTD	

Current Status	<u>RIG ON LOCATION</u>							
24 Hr Summary	<u>MIRU, TALLY PUTTING, TAG UP @ 3008'</u>							
24 Hr Forecast	<u>PULL @ RBP</u>							
Comments								

[illegible][illegible][illegible]

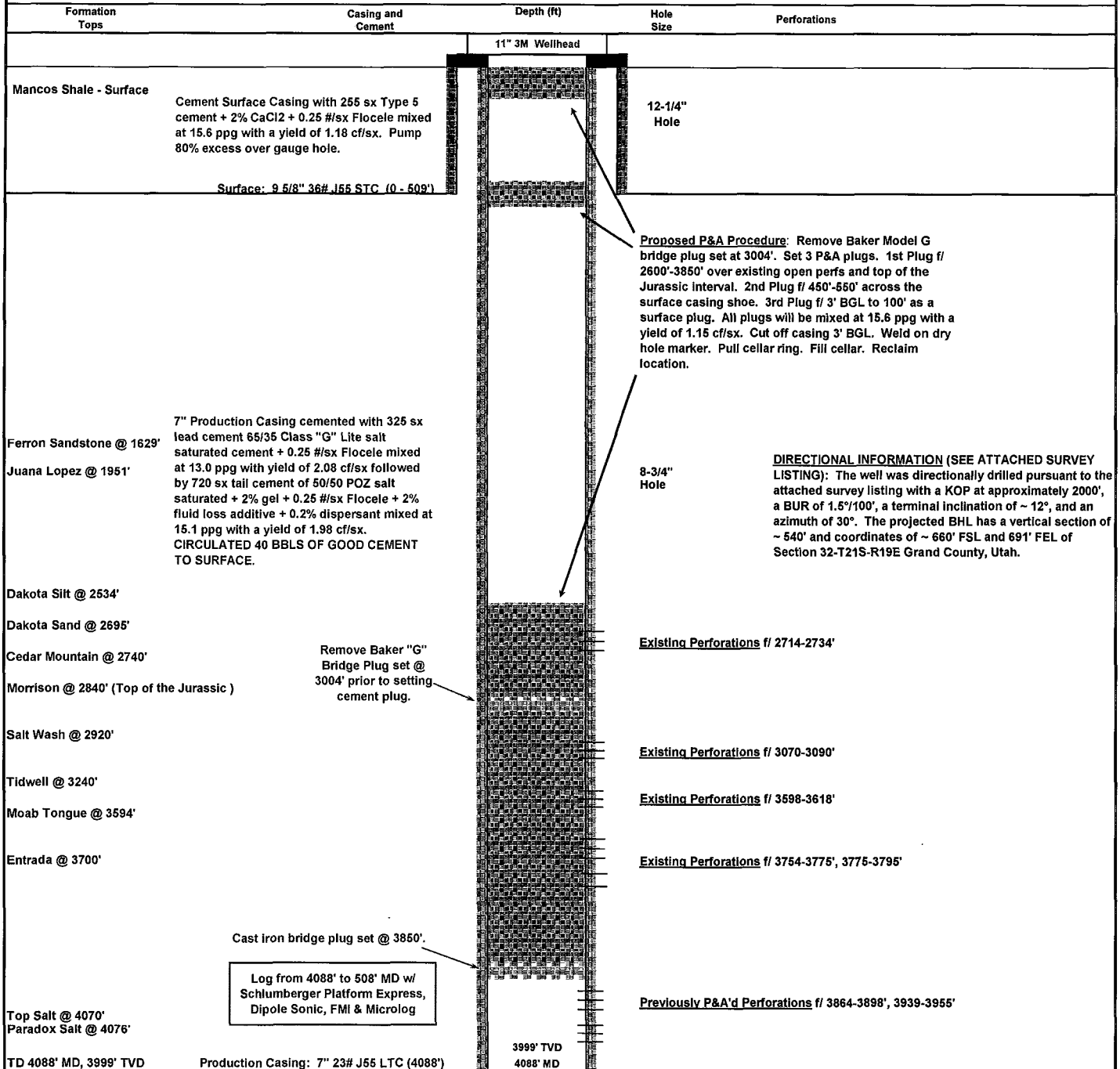
[illegible]

Solaris State 21-19 #32-16D Well Construction Diagram for P&A Approval

Well: Solaris State 21-19 #32-16D
Well Type: Directional
API Number: 43-019-31399
Surface Location: 122' FSL & 994' FEL
Bottom Hole Location: 660' FSL & 691' FWL
Total Depth: 4088'
Proposed P&A Date: 03 September 2008
Author-Version-Date: W. Lowry - Version 1 - 30 August 2008



S-T-R: Sec 32-T21S-R19E
Field: Wildcat
Lease Number ML-47441
Elevation (ft): 4,818'
KB to GL (ft): 12'
RKB (ft): 4,830'
Objectives: P&A well & reclaim surface



APPROVALS

Prepared By:

Walter D. Lowry

03 September 2008

Approved By:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Dry Hole</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 46760
2. NAME OF OPERATOR: NAE, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 110 16th Street, Suite 1220 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: NA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1270' FNL & 800' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 16 21S 20E		8. WELL NAME and NUMBER: Solaris State 21-19 #32-16D
PHONE NUMBER: (303) 327-7169		9. API NUMBER: 4301931399
		10. FIELD AND POOL, OR WILDCAT: Wildcat
		COUNTY: Grand STATE: UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input checked="" type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/5/2008			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 09/04/2008, NAE commenced P&A operations on the subject well according to a P&A plan approved by Dustin Doucet. NAE was required to make a diligent effort to retrieve a bridge plug set in the well, which isolated perforations from 3070' to 3795'. NAE was unable to retrieve the bridge plug after making several good faith attempts to do so. NAE received approval from Dustin Doucet to leave the bridge plug in the well at 3004' as it was deemed sufficient to isolate the perforations from 3070' to 3795'. (see the Actual P&A Construction Diagram attached to this Form 9).

NAE then commenced to set 3 P&A plugs in the 7" casing in the well pursuant to the recommendations and approval of Dustin Doucet. The 1st Plug consisted of 85 sx of Class G neat mixed at 15.6 ppg with a yield of 1.18 cf/sx f/ 2518'-3004' (top of the unrecoverable bridge plug) over existing open perms and top of the Jurassic interval. After waiting 3.5 hours the plug was tagged and the top of the plug was found at 2518'. A 9.3 ppg gelled fluid was then placed above Plug #1 and below the base of Plug #2. NAE set a 2nd Plug of 31 sx of Class G neat mixed at 15.6 ppg with a yield of 1.18 cf/sx f/ 403'-569' across the surface casing shoe. After 2 hours the plug was tagged and the top was found at 403'. A 3rd and final surface plug of 23 sx of Class G neat mixed at 15.6 ppg with a yield of 1.18 cf/sx was set f/ 3' BGL to 126' as a surface plug.

Subsequent to P&A procedures, NAE cut off the 7" casing 3' BGL. A dry hole marker was welded on the casing. The cellar ring was pulled, and the location was regraded to its original contour pursuant to the Surface Use Plan and the Conditions of Approval of the Permit to Drill. The location was reseeded and NAE concluded its reclamation on or about 10/6/08.

NAME (PLEASE PRINT) <u>Walter D. Lowry</u>	TITLE <u>Consultant</u>
SIGNATURE 	DATE <u>4/15/2009</u>

(This space for State use only)

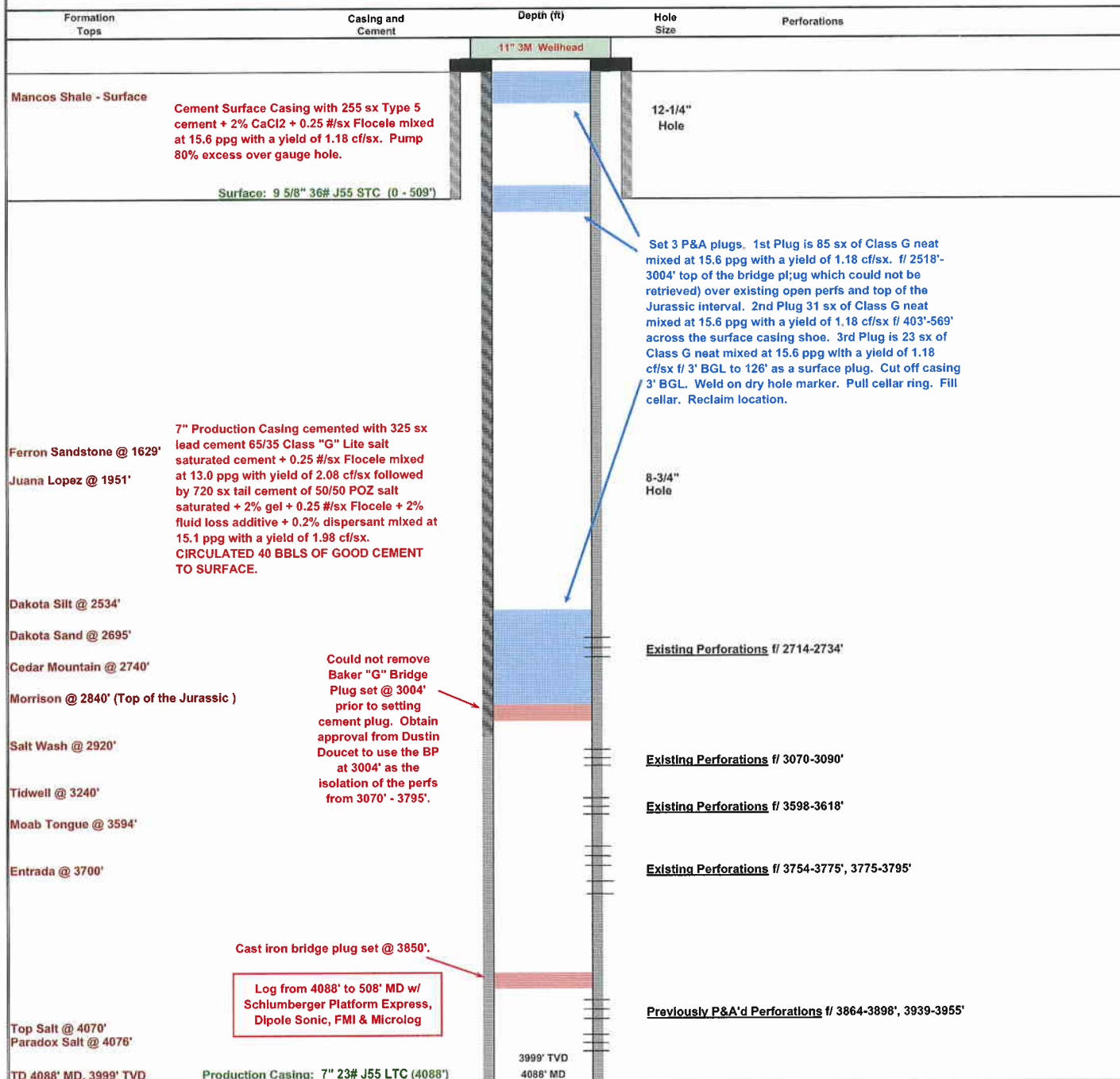
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MAY 19 2009

DIV. OF OIL, GAS & MINING

NORTH AMERICAN
EXPLORATION LLC

S-T-R: Sec 32-T21S-R19E
Field: Wildcat
Lease Number ML-47441
Elevation (ft): 4,818'
KB to GL (ft): 12'
RKB (ft): 4,830'
Objectives: P&A well & reclaim surface



APPROVALS

Prepared By:

20 September 2008

Walter D. Lowry

Approved By: _____

Daily Operations Report

Date	9/3/2008
DFS	2
DOL	2
MD	
PBTD	

Current Status	WELL SHUT IN READY FOR PLUGGING								
24 Hr Summary	TOOH W/ TBG, PUMU BAKER MODEL G RETRIEVING HEAD, TIH UNABLE TO LATCH, CIRC WELL, WORK TOOLS, TOOH PUMU MODEL P RETRIVING HEAD TIH UNABLE TO LATCH								
24 Hr Forecast	PLUG WELL								
Comments									

Step	Depth	From	To	Duration	Operation	Phase	Class	OpCode
				0.00	TOOH W/TBG			
					PUMU MODEL G RETRIEVING HEAD, TIH			
					WORK TOOLS COULD NOT LATCH UP, CIRC WELL W/ FRESH			
					WATER, WORK TOOLS UNABLE TO LATCH UP			
				TOOH W/TBG				
				0.00	PUMU MODEL P RETRIEVING HEAD, TIH			
					WORK TOOLS COULD NOT LATCH UP, CIRC WELL W/ FRESH			
					WATER TO CLEAN UP WELL BORE			
					TOOH W/ TOOLS			
				TIH OPEN END TO 2970' SDFN				
				0.00				
				0.00				
				0.00				
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				0.00				
				0.00				
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Daily Operations Report

Date	9/4/2008
DFS	3
DOL	3
MD	
PBTD	

Current Status	well plugged								
24 Hr Summary	MIX AND PUMP 3 PLUGS W/ GELL SPACERS BETWEEN PLUGS,								
24 Hr Forecast	RIG DOWN MOVE TO THE MSC 16-1								
Comments									

[illegible]